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PORTLAND SEED COMPANY

44TH SEEDALOG..

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It's Always Diamond Seed Time!



FOUR LOVELY DIAMOND QUALITY COLLECTIONS

ROCK GARDEN PLANTS 6 for . 89c

AETHIONEMA CORDIFOLIUM—Lilac rose flowers.
ALYSSUM SAXATILE. Yellow.
ARABIS. White or pink.
PHLOX SUBULATA. Blue, purple spots.
SEMPERVIVUMS (Hen and Chickens)—Succulent foliage.
SILENS. Assorted colors.

GLADIOLUS 2 each - 14 for . 50c

BETTY NUTHALL. Light coral.
BREAK OF DAY. Light pink.
DR. F. E. BENNETT. Brilliant, flame red.
GOLD EAGLE. Golden yellow.
MRS. LEON DOUGLAS. Rose, striped scarlet.
ALBATROSS. Pure white.
DOUBLET. Ruffled, cream and yellow.

"mums" 6 for 59c

A. BARHAM. Orange-bronze.
HARVEST MOON. Rich, golden yellow.
UNAKA. Large, early pink.
NORMANDY. Creamy white.
META J. BERGEN. Deep red.
SKIBO. Light yellow.

SWEET PEAS 9 Spencer varieties 50c

SYBIL HENSHAW—Beautiful, large deep crimson blooms.
AVALANCHE—Truly the loveliest giant pure white "Spencer."
OLYMPIA—Outstanding rich purple blooms on long stems.
ASCOT—A prize winner. Beautifully clear light rose pink.
WARRIOR—Striking, rich oxblood maroon. Sun-proof color.
AUSTIN FREDERICK IMPROVED—A pure lavender prize winner.
REFLECTION—A lovely clear cornflower blue. Long stems.
TANGERINE IMPROVED—A distinctive rich salmon orange.
CHARMING—Brilliant, rosy cerise. Famous prize winner.



NEW NOVELTIES FOR YOUR GARDENS.

Marigold French Tall Double Royal Scot

As modern in appearance as any flower now offered, Royal Scot is one of the most striking color combinations one could wish for. The large, well-formed double flowers are produced in abundance on plants from 24 to 30 inches in height, fine for garden or cutting use. The color is a bold combination of mahogany and gold in symmetrical stripes which radiate from the center of the flower. **Packet 20c.**



DOUBLE ROYAL SCOT

ZINNIA FANTASY MIXED

Fantasy is the most fascinating new Zinnia type introduced to the flower world in many years. The very informal shaggy appearing flowers are graceful and interesting. Quite distinct from the stiff formal Zinnias to which we are accustomed.

The color range includes the brightest shades of red, yellow and orange as well as the popular pinks and creams. **Packet 10c.**

NEW MINIATURE PETUNIA

Rose Gem—A charming addition to the new miniature group of petunias which was started with Pink Gem. Rose Gem is a color which the public has been asking for in the miniature form. It is the rich deep rose that has made Petunia Rose of Heaven so popular. The plant is neat and compact, 5 to 6 inches high, and smothered with rich rose colored blooms about 2 inches in diameter.

Pkt. 20c.

NASTURTIUM DWARF DOUBLE GEM MIXTURE

Composed of an evenly balanced range of cheerful colors on dwarf, compact gem-like plants, is the ideal annual for border and edging use. The plants are truly dwarf and compact, totally without runners, and hold their compact form even in rainy climates where they will be a boon to garden makers. The good sized sweet scented double flowers gaily cover the little plants in an excellent color range which includes shades of yellow,

orange, scarlet, crimson, salmon, cerise, maroon and spotted varieties. While a majority of the plants have light foliage there are many dark foliage plants as well.

Packet 15c

NEW PHLOX DRUMMONDI GIGANTEA

Art Shades—A new strain of Phlox Drummondii with flowers an inch and a quarter to an inch and a half in diameter. In addition to its enormous flowers (which in itself would be enough to justify it as a novelty) it has a most wonderful range of color in soft art shades. The colors range as follows: Salmon with white eye, deep salmon with cream eye, appleblossom, soft rose with white eye, light blue with white eye, pale violet with white eye and many other pleasing shades. The soft colors blended together make a most beautiful mixture and a color combination never before seen in annual Phlox. **Pkt. 20c.**

NEW CUCUMBER

Cucumber Colorado won the All American 1935 Award of Merit and is destined to become one of the most popular varieties. One of its outstanding qualities is that it does not taper but is practically the same size from end to end. The fruits are dark green, 9 to 12 inches long and will yield more slicing cucumber than any other variety of approximately its size. Is highly recommended for the shipper and market garden. **Packet 10c.**

NEW RUST PROOF SNAP DRAGONS

Majus Grandiflorum

Buttercup—A new color in Antirrhinums (Snap Dragon) which has not heretofore been available in pure cultures. The deep canary yellow on the lip of the standard and the base of the standard, blending to a pale yellow towards the margin, gives the flower a delightful two-tone effect. The long graceful spikes and the broad green foliage of this variety marks a distinct advance in Rust Proof yellow Antirrhinums. **Pkt. 20c.**

Pink Shades—A pleasing blend of pink shades, blending from light rose-pink to dainty pale pink free from any purplish or bluish tinges. The plants are all base branching having from 10 to 12 long spikes with large flowers which are well spaced. **Pkt. 20c.**

Nanum Grandiflorum

Glowing Sunset—The lower half of the blossoms are velvety scarlet while the upper half has a definite rose tinge. This combination of shades gives the blooms an attractive rosy-scarlet appearance. The stems which are tinged with red have dark green foliage. This Antirrhinum is very floriferous, throwing a great number of spikes. **Pkt. 20c.**

ASTER SUPER GIANT EL MONTE

Last year we introduced the sensational new Super Giant Aster Los Angeles, a delicate shell pink color. Extremely popular in the cooler climates, a more rugged color was desired in the warmer lands. This wish is met completely in the new companion Super Giant El Monte, the only really large flowered crimson Aster. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals. **Pkt. 20c.**

NEW CORN

Golden Cross Bantam corn is well adapted for canners' use, market and home garden. Stalks are 5 to 6 feet high, sturdy with exceptionally broad vigorous leaves, ears 10 to 14 rowed, 7½ to 8 inches long. Kernels are medium in width and depth, slightly lighter yellow than the Golden Bantam. **Packet 15c.**

NEW MARIGOLD DIXIE SUNSHINE

From the Land of Dixie to the gardens of the west comes this most modern, most charming and unique Marigold. Sensationally new and fascinating, the large ball shaped flowers are ingeniously composed of dozens of tiny five-petaled florets, gracefully interlocking, daintily fringed in effect. Brilliant golden yellow, 100% fully double, and but faintly scented with the characteristic Marigold odor, Dixie Sunshine is a ray of dazzling, pure beauty. Whether in the garden, on tall, bushy plants literally smothered with blooms, or when arranged for home decoration, the strong stemmed flowers are a constant joy from August throughout the season until frost. **Pkt. 20c.**

PETUNIA RUFFLED NANA COMPACTA

Martha Washington—is a ruffled or frilled Nana Compacta. Its growth is about nine inches high and it forms a perfect ball effect literally smothered with lovely frilled blossoms about 3 inches in diameter. Its neat compact habit has never before been seen in Petunias.

The color is quite remarkable, the frilled portion of the flowers a beautiful flush pink and the center portion is strongly veined a rich wine red deepening in the throat which is large, the whole forming a striking contrast in colors. It is excellent for borders, bedding, pot or window boxes. **Pkt. 20c.**

NEW SWEET PEA—ROMANCE

A happy color that fits into every social occasion. The bold standard and wings are a sparkling rose pink on a white ground. A decided improvement on all other rose pinks. Romance, has also very long stout stems carrying four and five well placed flowers; it is a profuse bloomer and a vigorous grower. **Packet 25c.**



ASTER AURORA GOLDEN SHEAF

● Lovely Flowers

ASPARAGUS PLUMOSUS: An excellent pot plant with finely divided rich green lace-like leaves used extensively as greens for cutting. Packet 10c.

ASPARAGUS SPRENGERI: Magnificent pot plant with long drooping branches, grown extensively for cutting. Gives a graceful effect. Packet 10c.

AGERATUM: (h A) Small balls of color in sizeable clusters. Constant bloomers from early summer until late fall. Excellent for edging.

Blue Perfection (Nanum): Deep amethyst-blue flowers in large clusters.

Tall Blue Perfection.

Little Dorrite: Beautiful pure white.

Little Dorrite: Light blue and grows only six inches in height.

ALYSSUM (Benthami Martimum) (h A): White, sweet scented edging and basket plants. For borders sow thickly.

Little Gem: Makes a perfect "blanket of snow" not over 4 inches in height.

Sweet (Maritimum): Delightful in small bouquets. Clusters of 4 petaled, delicately scented flowers.

Lilac Queen (Compactum erectum): A mass of delicate lavender flowers. 6 inches.

Dwarf Mixed: Small bunches of beautiful mixed blooms.

Gold Dust (Saxatila Compactum): (P) Grows compactly and is covered with golden blossoms in late spring. 12 inches.

AMARANTHUS: (h A) Handsome foliage and interesting flowers, making a striking effect in borders and beds. Thrives well in hot, sunny situations with rather poor soil. Grows from two to five feet and should be planted early, then transplanted.

Candatus (Love Lies Bleeding): Rapid growing garden annual with long, drooping crimson flower spikes. Height three feet.

Joseph's Coat (Tri-color): Very brilliant foliage of scarlet, yellow and green. 3 feet.

Mixed Amaranthus: Beautiful brilliant flowers of true color.

Other Varieties of Flower Seed

Arctotis Grandis (African Lilac Daisy): (A) 2 feet.

Arabis (Rock Cress): Clear white flower.

Achusa Italica (P): Bright gentian blue.

Acroclinium (Everlasting Straw Flower): Double mixed.

Ampelopsis (Virginia Creeper).

Ampelopsis (Boston Ivy).

Anemone (Wind Flower): St. Brigid, French fine mixed.

Antigonon (Mountain Rose Coral Bells).

Armeria (Sea Pink): Maritima lilac rose.

African Daisy: Improved orange and Hybrids mixed.

Agrostemma Cororaria (P) (Rose of Heaven).

Aubrietia: Large flowering Hybrids.

BALLOON VINE (Love-In-a-Puff): (h A) A rapid growing climber; succeeds best in light soil and warm situation. Blossoms are very small and pure white. Light graceful foliage. Bears curiously inflated seed pods. Sow where it is to remain.

BALSAM (Lady Slipper): (h A) Very handsome plants, producing masses of various colored flowers. Curious seed pods which when ripe, will explode when touched. If sown in May should bloom from July until frost. 1 to 1½ feet tall.

Double Camelia Flowered: Light Pink. Scarlet. Mixed.

BLUE LACE FLOWER (Didicus): (A) 2½ feet.

BEGONIA: (t P) One of the most popular house plants.

Gracilis: Small, pink flowers in great profusion.

BROWALLIA (Amethyst): (h A) A beautiful plant with blue and white blossoms. Especially nice for window boxes. Blooms profusely during summer and fall. Mixed seeds.

BRACHYCOME (Swan River Daisy): (A) Mixed.

BARTONIA (Blazing Star): (A) Deep yellow.

BACHELOR BUTTON (Centaurea): (A) Double blue. Mixed and single mixed.

SUPER GIANT LOS ANGELES ASTER: This is the largest and most fully double Aster known. The flowers are from 6 to 8 inches across, full petaled and artistically graceful in the leathery effect of the interlacing ostrich feather type petals. Color, a lovely soft shell pink blending to a creamy pink at the center. Pkt. 10c.

ASTER AURORA GOLDEN SHEAF: The deepest yellow Aster yet offered and the only one that is wilt-resistant. The flowers are fully double with an attractive cress-like center of good substance and fine depth of petals. The flowers last well when cut. Packet 10c.

CALIFORNIA GIANT SUNSHINE: An improved Anemone type with many strong bushy stalks, topped with large single flowers, centers of twisted and quilled petals of contrasting colors. Their delicate beauty and keeping qualities make them ideal for cutting. **COLORS:** White, pink, lavender, violet, carmine and mixed.

IMPROVED CREGO GIANT: Truly the finest and largest of all Comet type Asters. Magnificent flowers of rare beauty, form and color distinct in every way. **COLORS:** White, shell pink, deep rose, crimson, orchid, azure blue, purple, lavender and mixed.

CALIFORNIA GIANTS: A combination of robust growth and lengthy stems. A true non-lateral variety with flowers of the "beauty" and "crego or ostrich feather" types. **COLORS:** White, peach blossom, light blue, deep rose, dark purple and mixed.

AMERICAN GIANT BRANCHING, Mixed: The branching habit is accompanied by vigorous growth and profusion of blooms. Large double flowers; long stiff stems.

CREGO WILT RESISTANT: Outstanding for cutting with large colorful blossoms. A very popular variety for the lazy gardener. Mixed, lavender; deep rose, white, purple, orchid, crimson and pink.

QUEEN OF THE MARKET: The outstanding early Aster. Blooms two weeks earlier than any other varieties. **COLORS:** White, light blue, deep rose, scarlet, purple, peach blossom and mixed.

EARLY WONDER: Large, double flowers on excellent stiff stems. **COLORS:** White, light blue, dark blue, rose, crimson and mixed.

PERENNIAL ASTER: (Michaelmas Daisy) A beautiful flowering perennial that is rapidly becoming popular on the Pacific Coast. Only in mixed colors.

ASTER MUM: Greatly resembles the Chrysanthemum. Plants are vigorous with good stems. **COLORS:** White, rose, lavender and mixed.

HEART OF FRANCE: The best red Aster on the market. Produces an abundance of large flowers on good stems.

ALL FLOWER SEEDS 10c PACKET (except where noted)



CALENDULA CHRYSANTHA

CALCEOLARIA RUGOSA or Rain of Gold: One of the finest of all Calceolarias for bedding purposes. The plants grow about one foot high and produce several bunches of beautiful golden yellow flowers continuously all summer. Packet 35c. Mixed colors—Packet 25c.

CALENDULA (Pot Marigold): (h A) An excellent flower of exceeding beauty. Fine for gardens, potted, or cut flowers. Blooms the entire year if climate permits.

CALENDULA CHRYSANTHA: A pleasing shade of clear yellow. Strikingly new in form and entirely distinct from all existing varieties. The flowers are large and composed of long incurved and loosely arranged petals, giving the appearance of a broad petaled Chrysanthemum.

Orange Shaggy: Closely set irregularly placed, long narrow petals, beautifully fringed or lacinated giving the flowers the frilled or shaggy appearance of some chrysanthemums. The large flat rich orange flowers shade slightly lighter towards the medium closed center. The two-tone coloring being quite effective. Packet 10c.

Radio: A novel development of great popularity. The flowers are deep orange, globular shaped with bristling quilled petals, which add materially to the grace of the blossoms.

Ball's Gold: Mammoth, double flowers of improved type. Deep golden yellow.

Ball's Orange: Double orange type of the above. Excellent for cutting.

Campfire: A beautiful dark orange and scarlet sheen.

Double Mixed: Beautiful double blossoms of mixed colors.

CALLIOPSIS: (h A) Very graceful for border plants, supplying throughout the summer an abundance of elegant showy flowers of: yellow, crimson and maroon. They are outstanding for cut flowers. Sow where plants are to remain.

Tall Single Mixed.

Tall Semi-Double Mixed.

Dwarf Crimson King.

Drummond's Golden Wave: Dark brownish-red with golden yellow center.

CANDYTUFT (Iberis): (h A) A very highly prized showy, branching plant. Excellent for beds, masses, rock gardens and cut flowers. Has very beautiful fragrant blossoms.

Coronaria: Giant white hyacinth flowered.

Umbellata Type: Mixed, Crimson, Lilac, Rose, Cardinal, White, Flesh Pink, Rose Carmine.

CANARY BIRD VINE: (h A) A rapid growing annual climber, the yellow blossoms bearing a resemblance to a bird with its wings half extended.

CANTERBURY BELLS: These beautiful flowers are very popular with northwest "flower-lovers." The real bell flowers of all sizes and colors. Every garden, small or large, has a spot for such lovely blooms.

Campanula Medium: Imposing branching plants heavily loaded with large pendant bells. Two varieties: Single mixed and double mixed.

Calycanthema (Cup and Saucer): (h B) A beautiful and distinctive type laden with flowers, each of which is a large cup-shaped bell with saucer. Comes in six varieties: light blue, dark blue, rose, white, pink and mixed.

Annual Mixed.

COREOPSIS GRANDIFLORA: (P) Perennials of graceful appearance with large golden yellow flowers on long slender upright stems, esteemed for cutting. Height 2 feet. Packet 10c. Varieties California Sunbeam and double yellow.

Lanceolata (California Sunbeam): Double yellow.

CARDINAL CLIMBER: (h A) Considered by many garden lovers as the most beautiful annual climber. A strong, rapid grower with fern-like foliage. Literally covered with a blaze of circular cardinal red flowers, from mid-summer till frost.

CARNATION (*Dianthus Caryophyllus*): (t P) Beautiful, colorful, fragrant blooms with sturdy stems. Being easily winter killed should be sown indoors during March. Transplant to other boxes when 1 inch high. Transfer to open garden when soil becomes warm. **COLORS**: Pink, white, red. Height, 1 to 1½ feet.

Chabaud Double Giant: A new variety, blooms six months after seeded. **COLORS**: Double cardinal red, double deep rose, double flesh pink, and double mixed.

Margaret: Very popular double mixed. Blooms four months after seeded.

American Hybrids: Large flowering type. Very popular with florists.

CASTOR BEAN (*Ricinis*): (t P) Tropical appearing foliage plant. Highly ornamental, with bronzed metallic foliage and bright colored seed pods. Grown singly it forms a picturesque pyramid. From 3 to 5 feet high. Pkt. 5c; oz. 25c.

Gibsoni: Striking foliage of dark red.

Outstanding mixed varieties.

CHRYSANTHEMUM: (h A) Attractive long-stemmed summer flowering plant, wide varieties of color. Sow seed in flats and transplant when soil is warm. Height from 1 to 2 feet tall.

Coronarium: Double, finest mixed.

Carinatum: Single mixed.

Carinatum: Tall double yellow and tall double mixed.

CINERARIA: (t P) Magnificent and indispensable flowering plants for window gardens. White, blue, violet, crimson shades, covering the plant with a sheet of blossoms. Should be sown under glass in fine soil.

Hybrida Grandiflora: Semi-dwarf, extra choice mixed. Pkt. 25c.

Hybrida Grandiflora: Star flower mixed. Pkt. 25c.

Hybrida: Ordinary mixed. Pkt. 15c.

COSMOS: (h A) The flower of beauty! These plants furnish an abundance of cut blooms during the early flower season. Seed sown in the open ground in April should bloom in July. Transplant not less than 18 inches apart in rows or mass beds. Pinching out top when plants are a foot high makes them bushy and sturdy.

Orange Flare: Delightful annuals with large early artistic flowers on long stems, excellent for cutting. This variety is a new early flowering Klondike Cosmos blooming a few months after sowing. Packet 10c.

Early Klondike: A very showy golden Yellow Klondike. Also a very early variety. Packet 10c.

Extra Early Double Crested (Anemone Flowered): Pink Beauty and White Queen, and fine mixed.

Extra Early Mammoth Flowering: Light pink, crimson and white.

Late Flowering Mammoth: Mixed.

CYPRESS VINE (*Ipomoea Quamoclit*): (h A) A climber of rapid growth. Delicate, fern-like foliage and great numbers of star-shaped blossoms with long tubes. Does best in warm, sunny locations. Grows 10 to 15 feet. Scarlet and Mixed.



DIGITALIS—FOX GLOVE

CLARKIA (Rocky Mountain Garland): (h A) A beautiful native flower of the Pacific Coast. Does very well in shady places and is excellent for cutting. Produces bright attractive flowers massed in beds. Height, 1 to 2 feet.

Scarlet Queen: A brilliant bloom of distinction.

Salmon Queen: A deep pink, with fine foliage.

Firebrand: Deep orange scarlet.

Brilliant: Bright carmine.

Mixed.

COLUMBINE (Aquilegia): (h P) Every garden should have an assortment of this lovely, graceful plant. They look frail but are hardy and will thrive in almost every situation, preferring partial shade and considerable moisture. Pkt. 15c.

Long Spurred Mrs. Scott Elliott:

Blue Shades.

Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

Pink Shades.

Silver Queen.

Copper Queen.

Other Varieties of Flower Seed

Canna: Greenhouse Plant.

Celosia Cristata (Cockscomb): Crimson and mixed.

Celosia Plumosa (Cockscomb Feathered Type): Fiery red, yellow, mixed.

Chinese Wool Flower: Crimson.

Cerastium Tomentosum (Snow in Summer): White.

Cobea Scanderns (Cathedral Bells): Purple.

Coleus Hybridus Mixed: Greenhouse plant. Pkt. 15c.

Cheiranthus-Allioni (Siberian Wall Flower): Brilliant orange.

DAHLIA: (t P) To grow these beautiful flowers from seed does not require the skill of an expert. Sow seeds in boxes indoors very early, transplanting to open, when danger from frost is past. They will bloom the first season. Tubers of the best may be used the next season.

Coltness Mignon: A beautiful dwarf variety. Excellent for bedding.

Double mixed and Single mixed.

DAISY: (h A) A flower every Pacific Coast garden should have. Beautiful true color blooms, excellent for cut flowers or open gardens.

African Daisy (Arctotis Grandia): A useful and charming cut flower from June till late frosts. Will last a week or two in water, undeveloped buds opening up perfectly if kept in sunshine. Plants form bushes about two feet across. Deep foliage and daisylike flowers, pale lilac color.

Orange African Daisy: Extremely showy annual with bushy plants 12 to 15 inches high. Flowers are 2½ inches across, rich orange gold, with dark disc and halo. A magnificent sight in bloom.

African Daisy: Mixed.

Daisy (Bellis Monstrosa): Double. Red, rose, white, mixed.

Shasta Daisy: Double 15c; Single 10c.

DELPHINIUM: (h P) Due to recent improvements, this flower has become the most popular tall growing perennial on the west coast. Our seeds come from the improved original strains found on the north coast of Wales. The range of colors run to the most delicate combinations of mauve and light blue, Crater Lake blue, heliotrope, pinkish-lavender, deep blues and purples.

Wrexham Hollyhock Strain. Pkt. 15c.

Gold Medal Hybrids. Pkt. 15c.

Blackmore and Langdon Strain. Mixed 35c.

Bellamosa.

Finest Mixed.

Belladonna.

Sinensis, Azure Fairy.

DIGITALIS (Fox Glove): (h P) Has the quaint charm of an old-fashioned garden. Long spikes that are crowded with large thimble-shaped blossoms beautifully spotted. Colors of: purple, rose, white, mixed.

DIDICUS (Blue Lace Flower): (A).

Other Varieties of Flower Seed

Dracena: Greenhouse plant.

Everlasting Flowers: Fine mixed.

Euphorbia, Heterophylla (Annual Poinsettia).

EVENING PRIMROSE (Oenothera Lamarckiana): (h B) Outstanding for exposed positions, in border or rockery. A constant bloomer all summer. Shades of yellow. Sow seeds early in boxes covering very lightly with fine soil firmly pressed down.

FOUR O'CLOCK (Mirabilis Jalapa): (t P) These flowers make an excellent combination with "Moon Flowers." Their blooms open at four o'clock and close at sunrise. Early culture, bearing a profusion of bright flowers of various shades. Sow seed early in the open and transplant. 2 to 3 feet in height.

Choice Mixed.

FORGET-ME-NOTS (Myosotis): (h h P) Excellent for the shady damp spot in your garden. Start early for flowers the first season or sow in summer for blooms the following spring.

Victoria: Dwarf sky blue.

Semperflorens: Blue.

Alperstris: Blue, mixed.

GAILLARDIA (Blanket Flower): (h A) Its brilliant flowers are among the gayest ornaments in the summer gardens. Free blooming from early summer until autumn frosts. These beautiful flowers are very effective as border plants or cut flowers. Colors of striking yellow, crimson and orange.

Picta Lorenziana: Finest mixed double annual.

Picta Single. Outstanding splendid mixed.

Perennials: Pitala Hybrids and Fine Mixed.

Dazzler.

THIS YEAR BEAUTIFY WITH COLORFUL FLOWERS

GERBERA (Transvaal Daisy): (t P) Another colorful African Daisy variety of uniform beauty. Does best in warm situations or corners well protected from early frosts. We offer a splendid mixture of hybrids of this beautiful flower, shades ranging through red, cerise, salmon, orange, yellow and white. Pkt. 15c.

GERANIUM (Pelargonium): (t P) This universally known and best liked flower is very easily grown from seed. Sow thinly in boxes indoors, covering with glass until seedlings appear. When about 1 inch high, transplant to small pots in rather poor soil, firmly pressed down. Later re-pot or transfer to open ground.

Zonale: Extra choice, single mixed. The well known bedding geranium.

Lady Washington: Foliage green, flowers large. Finest mixed. Pkt. 15c.

GOURDS: (h A) A sturdy and rapid grower with excellent climbing ability. Especially fine for covering verandas and trellis work. Bears large tubular flowers of white or yellow, followed by curiously shaped fruits which often resemble familiar objects, such as eggs, oranges, dipper, club or pitcher. When ripe they will keep indefinitely. Plant after soil is warm.

Large Calabash.

Large Dipper.

Large Mixed and Small Mixed. Pkt. 5c.

GODETIA: (h A) Is especially suited to situations in partial shade and thrives in rather poor soil. Bushy growth, profuse, constant bloomers. For best results sow indoors and transplant.

Dwarf Varieties: Rose, crimson, white, pink and mixed.

Tall Double Azalea Flowered: Carmine, crimson, lavender, rich pink and mixed.

GYPHOPHILA (Baby Breath): (h A) These light airy plants have little foliage but produce a very lovely effect in the garden. They are unexcelled in their ability to add much charm to bouquets. Easily raised from seed. Plant very early in flats, transplanting when soil becomes warm.

Grandiflora Alba: True white. Convent Garden strain.

Grandiflora Rosea: Pink form of the above. Very desirable.

Perennial: Paniculata Alba; single.

GEUM: (h P) Flowers like little double roses are gracefully poised on long stems over a thick rosette of strawberry-like leaves.

Mrs. Bradshaw: Beautiful scarlet.

Lady Stratheden: Brilliant golden yellow. Pkt. 15c.

Mixed.

HELICHRYSUM (Monstrosum): (h A) The finest everlasting for the home garden. This hardy annual makes an excellent winter bouquet with its red, yellow and white flowers. Sow in open and transplant or thin to twelve inches apart.

Double Golden Ball.

Scarlet Queen.

Double Mixed.

Salmon Queen.

Silvery Pink.

HOLLYHOCKS (Hybrida Semperflorens): (h A) This splendid new variety will bloom early in August, from spring planting, continuing until frost. As you know, the other varieties do not bloom until the second year, making this an exceptionally fine creation.

Finest Single and Semi-Double Mixed.

Perennials: Chaters Double Salmon Rose.

Rose Pink.

Scarlet.

Chaters Single Mixed.

Yellow.

Pink.

Mixed.

HUNNEMANNIA (Giant Yellow Tulip Poppy): (h A) Another golden yellow poppy, pleasing both in the border and as a cut flower. The plants grow into shrubby bushes, producing their large cup-shaped flowers 3 inches across on stems 12 inches long.

HYACINTH BEAN (Dolichos Lablab): (h A) A climber that grows rapidly and produces many heart-shaped leaves and numerous erect spikes of pea-like flowers. Beautiful purple and white blooms.

Other Varieties of Flower Seed

Heliotrope: Blue and mixed.

Heuchera (Coral Bells): Sanguinea and crimson. Pkt. 15c.

Humulus (Japanese Hop).

Helianthus (Sunflower): Excelsior double mixed, dwarf chrysanthemum flowered.

ICE PLANT (Mesembrianthemum Crystalinum): (h A) Pretty summer trailing annual for vases and rock work. Leaves covered with ice-like drops. Sow seed early in boxes. Height 6 to 12 inches.

JOB'S TEARS (Coix Lachryma): (h A) The narrow corn-like leaves of this odd ornamental grass bear numerous little sprays of flowers. Grows 12 inches high.

KOCHIA CHILDSII (Summer Cypress) (Mexican Fire Bush): (h A) This gracefully poised plant forms symmetrical decorative bushes. Green foliage turning fiery red in autumn. Grows 1 to 2 feet tall.

KUDZU VINE (Jack-and-the-Bean-Stalk): (h P) A great climber! Will grow from 8 to 10 feet the first season. When once established it may grow from 40 to 50 feet a season.

LANTANA: About 2 ft. A rapid growing shrubby plant bearing Verbena-like clusters of fragrant flowers, blooming practically all season.



LARKSPUR

LARKSPUR: (h A) One of the important families of annuals that have been greatly improved by modern breeding methods. Flowers quickly form after plant is once established. A late bloomer, furnishing flowers of striking beauty in form and color.

Tall Double Varieties: Peach Blossom.

Stock Flowered, carmine, light and dark blue, rose, white and mixed.

Exquisite Improved, delightful pink.

Rose Carmine.

La France.

Los Angeles: Brilliant rose on salmon.

LINUM: A variety of the flax family. Slender foliage and dainty in appearance make them very suitable for growing in beds or low borders.

Grandiflorum Rubrum (Scarlet Flax): (h A) Scarlet-crimson flowers with fine foliage.

Perenne Blue: (h P). Graceful form with arching stems carrying small sky-blue flowers.

LUPINUS (Hartwegi): (h A) Dark blue, sky blue, and mixed. (h P) mixed.

LOBELIA: (h A) Delicate, low-growing annual plants of the greatest value for borders, rock work and hanging baskets. Sow very thinly in boxes, covering with glass until seedlings are through soil. Height 6 to 8 inches.

Crystal Palace Compacta: Dwarf flowers, rich, bright blue. Excellent for bedding.

Gracilis: Blue, trailing. Beautiful for baskets.

Pumila Rosea: Dwarf, pink variety.

Sapphire: Deep blue with white eye, trailing variety.

Other Varieties of Flower Seed

Linaria (Toad Flax): Macedonica: Golden Yellow; Hybrid Mixed.

Lychnis: Chalcedonica, a beautiful flaming scarlet.

MIGNONETTE: (h A) A delicious scented little flower which the French have named "Little Darling." A graceful foliage of dark green leaves which bear spikes of unassuming blossoms very useful in combination with showier cut flowers that lack fragrance.

Odorata Grandiflora: Large fragrant flowers.

Victoria Perfecta: Beautiful foliage with brilliant red blooms.

MARIGOLD (Tagetes): (h A) These plants supply an abundance of blooms late in the season, when most summer flowers have passed their prime. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and make ideal edging plants.

Guinea Gold: A gorgeous orange with loosely ruffled petals. The plants bloom freely and practically all the blooms are double.

Dwarf French Single: Diadem: A mahogany red with golden edge.

Gold Star: Yellow striped maroon.

Single Mixed.

French Dwarf Double Golden Ball.

French Dwarf Double Lemon Ball.

French Tall Single Josephine.

French Tall Mixed.

African Tall Double: Orange Ball.

Lemon Ball.

Mixed Ball.

Little Brownies (Legion d'Honneur): Dwarf single.

Signata Pumila: Very dwarf, bright orange.

MIMULUS MOSCHATUS: Musk plant.

MOON FLOWER (Ipomoea Mexicana Grandiflora): (h A)

Excellent for screens over porches and arbors because of their luxurious and rapid growth. At night and on cloudy days the vines are covered with fragrant white flowers 4 to 5 inches in diameter. A member of the "Morning Glory" family.

MORNING GLORY: (h A) Nature's finest covering for garden fences and walls. The heart-shaped leaves are of true green color, the numerous trumpet-shaped blossoms come in beautiful clear colors. They open in the early hours of dawn and close at night fall.

Convolvulus Major: Tall, choice single, a mixture of all colors. Dwarf mixed.

Tall, choice double mixed of all colors.

Imperial Japanese Fringed: Very large, fringed flowers in a variety of exquisite colorings; variegated foliage.

Heavenly Blue: Blossoms of true exquisite color.

MIMOSA (Sensitive Plant): (h A) With leaves that droop and fold at the slightest touch make this plant an interesting feature for any garden. It also droops at night and during damp weather. The plants bear small rosy-lilac blossoms.



DOUBLE GLEAM NASTURTIUM

NASTURTIUMS: (h A) A flower introduced to this country by a traveler returning from Peru. It starts blooming early and continues throughout the entire summer months. A flower that should be found in every garden.

Dwarf Empress of India: A beautiful deep scarlet.

Dwarf Varieties Mixed: All shades that blend well with all flowers. Pkt. 5c; oz. 15c.

Tall Varieties Mixed: Same shades as dwarf. Pkt. 5c; oz. 15c.

Golden Gleam Nasturtium: The newest and finest flower improvement that has been introduced to the American public in past few years. Truly a beautiful flower. Rich golden yellow, sweet-scented, semi-trailing habit. Large double blooms on 6-inch stems. Pkt. 5c; oz. 15c.

Scarlet Gleam Nasturtium: Pkt. 10c; oz. 20c.

Gleam Hybrid Nasturtium: Pkt. 5c; oz. 15c.

NICOTIANA: (h h A) The flower of fragrance that sweetens the air like rare perfume. A very showy plant, producing star-shaped flowers. If taken up in the fall, potted and cut back, it will bloom freely during the winter months. Grows to a height of 3 feet. Sow seeds in boxes indoors or in a well protected place. For the best results give plenty of room, rich soil and sunlight.

Crimson King: A beautiful dark velvety crimson red.

Mixed Variety: Several shades of distinctive true colors.

Other Varieties of Flower Seed

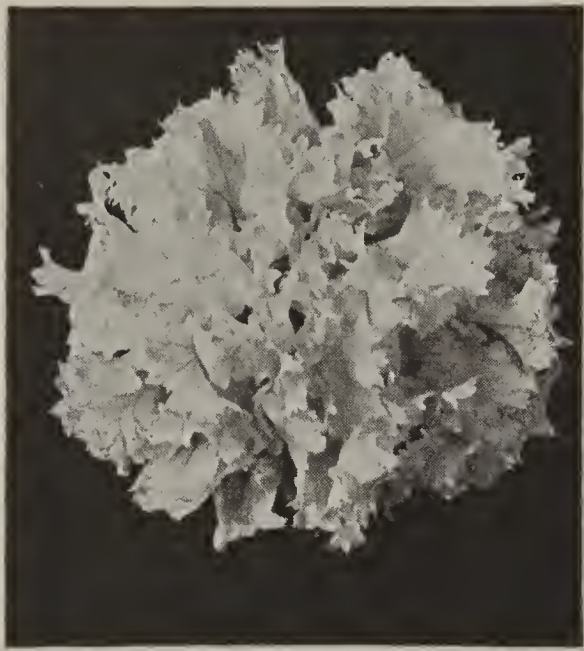
Nemesia: Blue Gem, Fire King, Orange Prince, Mixed.

Nigella (Love in a Mist): Hispanica Blue, Miss Jekyll, Double Blue.

Nepta (Graycatmit): Mussini, Blue.

Nemophillia: (h A) Baby Blue Eyes and mixed.

ALL FLOWER PACKETS TEN CENTS (except where noted)



PETUNIA

Beautifully covered with large showy blossoms throughout the entire flower season. Constantly fresh and bright colors, markings and forms. Sow seeds very thinly indoors under glass. Care should be taken to save the weaker seedlings, as they produce the finest flowers. Transplant when soil is warm. (h A).

Giants of California: Large flowering single petunias. Choicest ruffled, large throat varieties. Mixed. Pkt. 15c.

Dwarf Giants of California: Compact form of the above. Excellent for potting or border planting. Pkt. 15c.

Elk's Pride: A beautiful deep purple, with large blooms. Pkt. 25c.

City of Portland: A most beautiful shade of pink. Large ruffled flowers on fine stems. Pkt. 25c.

General Dodds: A blood red blossom, supplying an abundance of bright color for a dull corner in your garden. Pkt. 25c.

Large Flowering Double Petunia: Choicest double mixed. Pkt. 25c. Double fringed mixed. Pkt. 35c.

Single Bedding Petunias:

Balcony Blue: A splendid free flowering type. For window boxes, bedding, vases, hanging baskets, etc.

Balcony Rose: Same as above only brilliant rose pink. Very effective.

Balcony White: A beautiful clear white of the Balcony variety.

Rose of Heaven: A dwarf variety. Rich, rose pink. The most exquisite shade in petunias.

Rosy Morn: Pink with a lovely white throat. Excellent for bedding.

Petunia Pink Gem: Packet 15c. Single Mixed.

PHLOX DRUMMONDI: (h A) Phlox was first discovered by the early settlers of Texas. Since, it has traveled around the world, beautifying gardens in every little corner of the earth. It is unrivaled for richness and beauty of colors, ranging from white to the deepest purples and scarlets. Unexcelled for low table bouquets, as their brilliant colors add much in making a fine meal better.

Large Flowering Varieties: Chamois Rose: Carmine eye.

Crimson.

White.

Isabellina: Pale yellow.

Scarlet.

Mixed.

Star Phlox: The flowers have a distinctive star-like appearance, with a white margin. Truly exquisite for bouquets. Mixed.

Dwarf Choice Mixed Phlox.

Decussata Perennial Mixed Phlox.

PANSIES

It takes many years to develop perfect strains and great care to keep them stable. Diamond Quality Pansy Seed is of the highest strains and the outstanding varieties. (h A).

P. S. Co.'s Super Swiss Giant Mixed. Pkt. 20c; $\frac{1}{16}$ oz. 75c; $\frac{1}{8}$ oz. \$1.25.

Oregon Giants: Mixed.

Adonis: Beautiful light blue with white center and dark blotches.

Cornflower Blue: Dainty blue color and large blossoms.

Giant Dark Blue: A distinct bloom. Blue-black.

Giant Striped: Superior strain with beautiful striped markings.

Golden Queen: Rich, pure yellow, well-formed flowers.

King of the Blacks: Immense giant velvety blooms. The largest of the black varieties.

Madame Perret: A distinct type with frilled edge petals. Colors: Dark wine, pink, red. Has sweet fragrance.

Snow Flake: Pure white. Of extremely fine quality.

Violet Blue: A new giant variety of dark indigo blue.

Masterpiece (Giant Ruffled): One of the most distinctive varieties of pansies offered today.

Trimardeau Pansies: Remarkably large and a robust grower. Excellent colors of mixed shades.

P. S. Co.'s Growers Special Giants: This special mixture contains the following: Maple Leaf, Rogglis Swiss, Miracle Mixed, Jumbo, and Swiss Giants, making a complete mixture of giant pansies. Pkt. 20c; $\frac{1}{16}$ oz. 75c; $\frac{1}{8}$ oz. \$1.25.

PINKS

Their gay blossoms on strong stems come in varieties of colors and their stripes and markings make them especially attractive for border plants. They are quite suitable for cutting and have easy culture. (h A).

Chinensis: Single mixed, double mixed.

Heddegi: Finest single mixed and double mixed.

Fire Ball: Double scarlet.

Salmon King: Double deep pink.

Snowball: Double white.

Clove Pinks: Pheasant's Eye (single mixed). Double mixed.

PORTULACA (Rose Moss): (h A) An exceptionally fine flower for dry sunny spots where most plants are unable to thrive. A dwarf plant only 6 inches in height and blooms profusely from early spring to late summer. Brilliant colors of: Red, yellow, pink, white, striped. Sow seed indoors and transplant at early spring warmth.

Single Mixed.

Double Mixed.

PRIMULA (Primrose): (h P) A favorite for growing outdoors in mild climates and very fine for potting, flower baskets and window boxes.

Malacoides (Baby Primrose): Light lilac and mixed.

Kewensis: Golden yellow. Pkt. 15c.

Veris Hybrids.

Vulgaris Yellow.

Oenothera: Evening scented.

PHYSALIS (Chinese Lantern): These plants will add a bit of Oriental touch to your garden. Its lacquer red blooms have much gaiety and charm. If planted among Gypsophila (Baby Breath) you will have a beautiful growing bouquet.

Francheti.

Other Varieties of Flower Seed

Pyrethrum: Single and double mixed.

Pentstemon: Sensation, mixed.

Passiflora (Passion Flower): Mixed.

SALVIA (Flowering Sage): Very ornamental. Flowers borne in spikes of fiery red or crimson. Continues to bloom in open ground until after severe frosts. Sow in flats and transplant into light soil, 1 to 2 feet apart.

Azure Grandiflora: Lovely sky blue.

Bonfire (Clara Bedman): One of the finest ever introduced. Clear red.

Splendens: Brilliant scarlet.

Zurich (New Dwarf Early): Finest of all dwarfs. Very floriferous.

FERTILIZE WITH VIGORO—FOR BETTER FLOWERS



ORIENTAL POPPY

POPPIES

If you haven't Poppies in your garden you have certainly noticed a lack of color in one or two spots. With their wide range of magnificent colors it is impossible to have a beautiful "rainbow" bed in a dull corner that now lacks gaiety. Sow seeds very early where they are to remain. Barely cover seed with fine soil and press down firmly. Thin to one foot. If blooms are cut before fully open they will last several days.

- Carnation Flowered: (tall double). Mixed.
- California Poppy (*Eschscholtzia*): Commence to bloom within a few weeks' time and bloom continuously until late fall.
- Hybrida Mixture: New, large flowering type. New colors: Soft pink, scarlet, chrome, copper red, claret and royal purple.
- Dwarf Erect: Mixture.
- Spreading Varieties:
- Aurantiaca (California Poppy): Orange.
- Shirley Poppy Single.
- American Legion: Brilliant orange scarlet. Mixed.
- Shirley Poppy Double.
- Paeony Flowered—plane edge. Mixed.
- Nudicaule (Iceland Poppy) (P).
- Sunbeam Hybrids: Mixed.
- Giant Flowering Strains.
- El Monte: Deep tangerine orange.
- Sandford's Giants: Mixed.
- Oriental Poppy (P): Mixed.
- King Edward: Single large flowers. Deep scarlet, shaded crimson with black spots.
- Glaucum (Tulip Poppy): Brilliant scarlet flowers, 3 inches across.
- Flanders: True dwarf orange scarlet, black cross.

SALPIGLOSSIS (Painted Tongue): (h A) This flower is by far one of the finest annuals any garden could have. Its richness of color and velvety texture puts it in a class by itself. Plants grow from 24 to 30 inches high, and produce lovely blooms from midsummer until frost. Outstanding for its charm in bouquets.

- Brown and Gold.
- Scarlet and Gold.
- Violet and Gold.
- Purple and Gold.
- Collection of any four packets of the above 30c.
- Finest Mixed: All colors.
- Rose and Gold.
- Crimson and Gold.
- Yellow.

DIAMOND QUALITY SEEDS PRODUCE BOUNTIFUL CROPS

SCABIOSA (Pin Cushion Flower): (h A) These flowers are very effective for garden decoration as well as lovely floral displays. We offer many fascinating shades of this beautiful free-blooming flower. Sow seeds as soon as soil is warm.

- Azure Fairy.
- Peach Blossom.
- Fiery Scarlet.
- Perennial Scabiosa: Japonica Lilac.

- Flesh Color.
- King of the Blacks.
- Loveliness—Pink
- Double Mixed.

SCHIZANTHUS (Butterfly Flower): (h A) Beautifully fringed and delicately colored flowers so numerous as to hide the foliage. Exceptionally fine for bedding plants as well as house plants for winter. Sow seed in the open when soil is warm and flowers will follow within a few weeks.

- May Blossom: Beautiful rose-pink.
- Brilliant Mixed: Latest of the new varieties of brilliant shades.

STOCKS

These popular flowers are easily grown and are so highly fragrant and of such beauty they deserve a place in every garden. For best results, sow in warm place under glass, transplant when seedlings are 2 inches high. (h A).

- Double Early Giant Imperial: (up in ten weeks):
- Rose, Elk's Pride, Canary Yellow, Blood Red.
- Choice Mixed: Beautiful shades of reds, blues, etc.

Giant Perfection (Perpetual or Branching):

- Princess Alice: Clear white.
- La France: Blush pink.
- Brilliant: Blood red.
- Sapphire: Beautiful violet.
- Creole: Canary yellow.
- May Queen: Pale blue.
- Rose Pink.
- Choice Mixed: Complete range of colors.

- Virginian Stocks: Rose or mixed.
- Evening Scented Stocks: Very fragrant. Mixed varieties.



STOCKS

ROCK GARDEN MIXTURE: (P) Truly an exceptionally fine mixture for all types of rock gardens. Sturdy plants with brilliant shaded colors.



SNAPDRAGON

(Antirrhinum): (h A) A flower that needs no description! A flower that is loved the world over and is found in every garden of flower growers. One of the showiest border plants of almost every color; splendid for cut flowers. Truly magnificent. Plant in well-protected place. Grow to height of 3 to 4 feet.

Rust Resistant Mixed.

Tall Giant Flowered:

Canary Bird: Bright yellow.

Copper King: Bronze.

Scarlet: Bright red-orange.

Golden King: Bright golden yellow.

Rose Queen: Beautiful rose-pink.

Ruby: Brilliant red.

Mixed Varieties: All true colors.

Medium Tall Flowered (Florist Strains):

Purity: Pure white.

Harmony: Bronzy apricot.

Nelrose: Deep rose.

Philadelphia: Beautiful pink.

Defiance: Orange-scarlet.

Empress: Velvety crimson.

Silver Pink: Light pink.

Golden Queen: Golden yellow.

Mixed Varieties.

Rose Dore: Salmon rose.

Other Varieties of Flower Seed

Silene: Salmon pink, purple, Snow King, mixed.

Smilax: Greenhouse climber.

Statice Latifolia: Perennial blue.

Statice: Annual mixed.

Strawflower: Everlasting mixed.

Sweet Rocket: (h P) White, mixed.

Sweet Sultan: Mixed.

Venidium—Monarch of Veldt. 20c.

Viola—Jersey Gem. 25c.

Viola—Apricot. 25c.

Viola—Yellow. 25c.

Viola—Mixed. 10c.

Violet: Blue.

Wild Cucumber Vine: (h A).

Valeriana: Red, mixed.

Wildflower Mixture—5c.

Cut Flower Mixture—5c.

Sweet Pea Collections

Early Flowering Spencer Sweet Peas

7 varieties for 50c

A 70c value

only
50c

Early Marine

Early Giant Rose

Early Harmony

Early Silver Blue

Early Snowstorm

Early Vulcan

Early Springsong

Giant Flowering Spencer Sweet Peas

9 varieties for 50c

A 90c value

only
50c

Sybil Henshaw

Avalanche

Olympia

Ascot

Warrior

Austin Frederick Imp.

Reflection

Tangerine Imp.

Charming

Nitragin

• Sweet Peas produce larger and more colorful blooms if the seed is inoculated with Nitragin before being planted. A 30c Tin (postpaid) will treat as much as 8 pounds of seed.

For Better Blooms

SWEET PEA COLLECTIONS ARE ECONOMICAL



EARLY FLOWERING SPENCER SWEET PEAS

FOR those home gardeners who have had trouble in producing later varieties of Sweet Peas we highly recommend these Early Flowering Spencers. They come into bloom from three to four weeks earlier, and for that reason they should be well in flower before the summer droughts arrive. In addition to this, the vines have a long blooming season, and where nights are cool they will continue to bear for months. They are less branching than those of the late Spencers, but the blossoms are equally large, beautifully waved, and are carried on long stems. They are ideal for late fall planting where the winters are mild.

CULTURE. Plant as early in the spring as conditions will permit. Sow at rate of one ounce to fifteen feet. Make a trench three to four inches deep, pressing soil down firmly. After plants are well up, thin to four to five inches apart, draw soil around them until trench is filled above the level. This gives depth to the roots, preserving moisture. Keep ground well worked and water if needed, and, occasional thorough soaking being better than a daily sprinkling. Keep flowers cut close. Pruning tips of vines will aid in prolonging the season of bloom and insure better flowers.

Pkt. 10c; 1 oz. 45c; ¼ lb. \$1.50 postpaid.

EARLY MARINE. The clearest true blue of all sweet peas. An extremely vigorous type.

EARLY COLUMBIA. Lovely rose standard with light pink wings. Distinctive color and heavy cropper.

EARLY GIANT ROSE. Truly the best rose variety. Warm rose pink. Splendid form with extreme size of flower.

EARLY HARMONY. Very popular clear lavender with large flowers, vigorous growth and fine color.

EARLY ORIENTAL. Clear deep cream colored variety with black seeded center. Bears exceedingly wavy blooms.

EARLY SILVER BLUE. The color is described by its name. A beautiful shade of light silver blue.

EARLY SNOWSTORM IMPROVED. Clear white blooms. Giant frilled flowers on long sturdy stems.

USE NITRAGIN FOR LARGER SWEET PEAS

● Every Garden Should Have Sweet Peas

EARLY APOLLO. Extremely long stems, bearing fine bold flowers of soft salmon cerise.

EARLY VULCAN. Vivid sun-proof scarlet. The most outstanding and best known early red.

EARLY WHITE HARMONY. Glistening pure white with vigorous long stems and large blossoms. The ideal florist variety.

EARLY PRIDE. A lovely deep cerise, beautifully tinged with scarlet. Even brighter than "Glitters."

EARLY SPRING SONG. Bright rose pink flushed salmon. The most brilliant cream pink and very popular.

EARLY FLOWERING SPENCER MIXTURE. A well blended mixture, containing all of the above colors and additional shades. Pkt. 10c; 1 oz. 35c; ¼ lb. 90c.

SUPERB SPENCER SWEET PEAS

OUR wonderful Diamond Quality Superb Spencers are of the giant size, with waved and fluted flowers. They are far superior to the older types in size, colors and long stems. This year we have selected only the outstanding varieties and feel sure that you will be more than pleased with the results.

Pkt. 10c; 1 oz. 35c; ¼ lb. 90c.

Pink and Cream

FLUFFY RUFFLES. Light cream pink.

ASCOT. Clear light rose pink.

WHAT JOY. Large, primrose, shaded to cream.

PINKIE. Large flowers in fours. Deep rose pink.

MARY PICKFORD. Cream pink, faintly tinted salmon.

MAGNET. Rich cream pink.

WINNIE MORSE. Cream ground, lightly flushed rose pink, duplexed, frilled.

BON BON. Rich pink.

Red and Maroon

WELCOME. The most dazzling of all scarlets.

CHARMING. Brilliant, rosy cerise.

FLAMINGO. Orange scarlet cerise.

SYBIL HENSHAW. Giant. Deep crimson.

DOREEN. Huge, bright, rose carmine.

WARRIOR. Rich oxblood maroon.

Orange and Salmon

BARBARA. Beautiful shade of orange salmon.

GOOD CHEER. Charming begonia rose.

GLORIOSA. Bright, orange scarlet.

IDYL. Giant flowers in fours. Salmon pink. Waved.

ROYAL PINK. Large, pure pink.

CELEBRITY. Brilliant orange.

TANGERINE IMPROVED. Rich salmon orange.

PIRATE GOLD. Deep golden orange.

Lavender, Blue and Mauve

AUSTIN FREDERICK IMPROVED. Pure lavender.

POWERSCOURT. Clearest lavender.

FORTUNE. Rich, dark blue.

GLENEAGLES. Lavender blue.

OLYMPIA. Giant, rich purple.

REFLECTION. Clear cornflower blue.

CHIEFTAIN. Pure satiny mauve (deep lavender).

White and Picotee

YOUTH. Pure white edged soft pink.

AVALANCHE. Giant, pure white.

STANDARD SPENCER MIXED. A splendid mixture, containing many of the varieties in our general list of Spencers. Pkt. 5c; oz. 20c; ¼ lb. 70c postpaid.



SWEET WILLIAMS

SWEET WILLIAMS (*Dianthus Barbatus*): (h P) This attractive plant ornaments the garden between the period of late tulips and spring flowers. The hardy plants form erect tufts and bear handsome broad clusters of blossoms like little Pinks with delicately fringed petals.

New Port Pink: Beautiful dark pink.
Scarlet Beauty: Brilliant orange-red.
Dark Crimson: Deep red.
White: Clear true white.
Single Mixed.
Double Mixed.

SWEET WIVELSFIELD: (h A) A cross between *Dianthus Allwoodi* and Sweet Williams, yet distinct from either. Few plants can compare with this new novelty for wealth of color and prolific blooming qualities. Recommended for garden show rockeries or cut flowers. Offered in mixed colors only.

THUNBERGIA (*Black-Eyed Susan*): (t P) This rapid growing climber is splendid for trailing over trellises, fences, etc. Buff, white and orange. Grows readily from seed sown in the open, to height of 4 to 6 feet.

Mixed Colors: Beautiful shades of pink, blue, etc.

TRITOMA (*Red Hot Poker*): (t P) If sown indoors seedling will grow rapidly. Blooms by August 15th. Large brilliant red blossoms on fine clear green foliage.

VERBENA: (t P) Just the flower to add charm to bare sunny spots in your border plants. Start seed in the house or under glass early in the spring and transplant after 3 to 4 inches growth. Beautiful blooms from July until early frost.

Golden Queen: A beautiful golden yellow.
Scarlet Defiance: Striking orange-red.
Pink Shades: Blended pink colors.
Mammoth Mixed: Large blooms of mixed colors.
Blue Shades: Blended blue colors.
Lemon: Clear yellow.
Royal Bouquet: Mixed varieties of true colors.
Brilliant Mixed: Mixed varieties of bright colors.

WALL FLOWER: (h h B) A great favorite throughout Europe because of their beauty, charm and grace. Truly a wonderful flower for mild climates and indoor garden boxes.

Single Varieties: Blood red.
Golden Gem.
Paris Market (brown).
Mixed.

Double Early Wonder: (forcing annual).
Allioni (*Siberian Wall Flower*): Brilliant orange.
Double Mixed: (h P).

ZINNIAS

CALIFORNIA GIANTS: Plants of large blooms, sturdy stems, beautiful foliage and constant bloomer. They resemble the "Dahlia-Flowered" variety a great deal.

Cerise Queen: Lovely cerise-rose shade.

Lavender Gem: Clear deep lavender.

Rose Queen: Bright rose tint.

Salmon Queen: Salmon-rose tint.

Violet Queen: Exquisite deep purple.

Grenadier: Dark red.

Golden Queen: Golden yellow.

Daffodil: Canary yellow.

DAHLIA-FLOWERED ZINNIA: The flowers of this variety often measure 4 inches in depth and 6 inches in diameter. Easily grown from seed sown in the open in April.

Exquisite: Light rose, center a deep rose.

Golden State: Rich orange-yellow.

Crimson Monarch: Largest and finest red.

Dream: Deep lavender turning to purple.

Old Rose: Next to Exquisite for beauty.

Scarlet Flame: Scarlet, blending to orange.

Oriole: Immense orange and gold bi-color.

Meteor: Rich, glowing deep true red.

Old Gold: Deep and lighter shades of golden yellow.

Purple Prince: Beautiful deep purple.

Polar Bear: White.

Mixed: Composed of all above colors.

Special—Any six packets of the above varieties—50c.

LILLIPUT, POMPON or BABY ZINNIAS: Small double flowers, excellent for borders.

Salmon Rose.

Canary Yellow.

Rose Bud.

Mixed.

Scarlet Gem.

Crimson Gem.

Golden Gem.

ELEGANS PUMILA, Dwarf Double (cut and come again): Best breeding variety.

Crimson.

Pinkie.

Mixed.

Golden Orange.

Salmon Rose.

DOUBLE GIANTS: A special strain, producing mostly double flowers of immense size. Height about 3 feet. Mixed varieties only.

ZINNIA FANTASY



ZINNIA FANTASY

ALL FLOWER PACKETS 10c (except where noted)



SKIBO

NEW INTRODUCTIONS

- EVENING GLOW. Bright yellow, 7-inch diameter blooms. Each \$1.00.
- APRICOT QUEEN. Bright orange, golden reverse, 7-inch diameter. Each \$1.00.
- AMBASSADOR. Largest early white. Each 50c.
- CHINA ROSE. Dragon's Blood red (Anemone type). Each 60c.
- CRIMSON GLOW. Crimson maroon (Anemone type). Each 60c.
- YELLOW DOT. Light yellow, crimson center, Pompon. Each 35c.
- GOLDEN CREST. Bright golden Pompon. Each 35c.
- ROSE DAY. Large incurved pink. Each 35c.
- KEYSTONE. Large bronze, very popular. Each 35c.
- OKEDA. Reddish bronze, 9-inch diameter. Each 75c.
- GOLDEN HERALD. Deep golden yellow, large. Each 35c.

EXHIBITION

25c each

- GOV. GREEN. Crimson, old gold reverse.
- MRS. G. G. MASON. Blood red, gold reverse.
- MRS. SIMPSON. Bright pink, tightly incurved.
- MRS. WM. DUCHAM. Bright yellow, very good.
- WM. TURNER. Very beautiful incurved white.
- WM. WAITE. Deep bronze shading to scarlet.
- YELLOW WM. TURNER. Light yellow, very popular.
- MARIGOLD. Beautiful deep yellow.
- HONEYDEW. Large lemon yellow.

LARGE FLOWERING VARIETIES

15c each; 2 for 25c; \$1.25 per doz.; \$6.00 per 100.

- BETSY ROSS. Best incurved white.
- CHRYSOLORA. Beautiful incurved yellow.
- GOLD LODE. The best early yellow.
- GOLDEN GLORY. Beautiful yellow, very popular.
- INDIANOLA. Beautiful early bronze.
- MAJOR BONNAFON. Very popular late yellow.
- MRS. H. E. KIDDER. Large flowers of bright yellow.
- OCOTO. Popular mid-season white.
- QUAKER MAID. Large white, very early.
- ROSE CHOCHARD. One of the best pink varieties.
- ROSE PERFECTION. Bright pink, perfect blooms.
- UNAKA. Early pink, a great favorite.

A 59c "MUM" COLLECTION ON INSIDE FRONT COVER

CHRYSANTHEMUMS

EARLY HARDIES

15c each; 2 for 25c; \$1.25 per doz.; \$6.00 per 100.

- ALICE HOWELL. Rich copper-orange, single.
- ADELAIDE. Splendid rich mahogany.
- ALADDIN. Lovely bronze.
- A. BARHAM. Orange bronze, very good.
- HARVEST MOON. Rich golden yellow.
- SKIBO. Clear pure yellow.
- NORMANDIE. Creamy white.
- YELLOW NORMANDIE. Best in its class.
- META J. BERGEN. Deep red, semi-double.

HARDY POMPONS

15c each; 2 for 25c; \$1.25 per doz.; \$6.00 per 100.

- BRONZE QUEEN. Sensational bronze and old gold.
- BABY. Very small blooms of gold and yellow.
- BIG BABY. Small yellow blooms, tall wiry stems.
- CAPT. COOK. Deep rose pink.
- DOROTHY TURNER. Rich old gold deepening to chestnut bronze.
- ERMA LINDA. Large old rose pink.
- ETHEL. Button type, bright red.
- NEW YORK. Very popular bronze variety, best to date.
- UVALDA. Large early white.
- WHITE DOTY. Popular large pure white.
- PINK DOTY. Ball type, pink.
- SOURCE-DE-ER. Large bronze.

Special
Chrysanthemum
Collection

- Ambassador
- Rose Day
- Gov. Green
- Mrs. Wm. Ducham
- Wm. Waite
- Honeydew

A \$1.85 value
Special \$1.60

PEONIES

85c, postpaid.

- ASA GREY. Flesh pink.
- DELACHAI. Violet-crimson.
- EDULIS SUPERBA. Early, bright pink.
- FELIX CROUSSE. Bright red.
- FESTIVA MAXIMA. Double white-flecked red center.
- MONSIEUR JULES ELIE. Rose-pink.
- OFFICINIALIS RUBRA. Early red.
- OFFICINIALIS ALBA. Early white.



SUNBURST

Yellow

ANGELE PERNET. Buds deep, flaming orange, opening to semi-double blooms of brilliant reddish apricot. Fragrant. Bush of moderate growth, stems stiff, foliage shiny and attractive.

DUCHESS OF ATHOL. Large buds of bronzy orange, flowers of apricot and gold flushed with rose and borne in profusion. Foliage dark bronzy green and remarkably mildew-proof.

EVENING STAR. Golden yellow, shaded apricot. Free bloomer, vigorous grower. Medium size buds.

FEU J. LOOYMANS. Fragrant, yellow with apricot center blossoms. Buds are long, pointed, of orange buff.

GOLDEN EMBLEM. Beautiful long buds of brilliant yellow striped with crimson on the outer petals. The blooms open slowly and are dark golden yellow.

JOANNA HILL. A slender daintily colored variety of orange yellow. Moderately fragrant and exceptionally fine for cutting.

IRISH FIREFLAME. Orange and crimson buds. Single flower of gold, apricot and pink. Foliage of bronze and dark green. Very vigorous.

IRISH ELEGANCE. Long, beautiful buds of apricot, opening into a single flower.

LADY HILLINGTON. Beautiful long pointed buds opening into rich apricot-yellow blooms. Foliage when young, dark violet turning to deep green with age.

LADY MARGARET STEWART. Buds of deep sunflower yellow, heavily veined with orange scarlet which open into a flower of deep sunflower yellow. Leathery sage green foliage which seems to be disease proof.

LOUISE BALDWIN. Deep yellow, good buds, vigorous growth.

MISS ROWENA THOM. Long pointed buds. Double flowers, oriental rose with petal base a suffused gold. Free bloomer, fragrant.

MRS. E. P. THOM. Has well formed buds and fairly large, double flowers of clear, even yellow, produced on good stems.

MABEL MORSE. Clear, bright yellow. Retains color. Glossy foliage. Is not a free bloomer. Sweetly perfumed.

MRS. AARON WARD. Deep, golden-orange, shading out to creamy-yellow. Double flowers, fragrant, good bloomer.

NORMAN LAMBERT. Salmon rose suffused bronze; shading to yellow at the base.

SOUV. DE CLAUDIUS PERNET. Long pointed buds of sunflower yellow carried on good stiff stems. Exceptionally good.

SOUV. DE GEORGES PERNET. Oriental red, tips of petals touched with scarlet. Entire flower faintly shaded with yellow. Extremely hardy.

SHOT SILK. Copper shade, overshot with golden yellow and rose. Vigorous grower. Good buds, glossy foliage.

SUNBURST. Rich yellow, shaded with orange and copper. Spreading bush. Ornamental foliage.

● Roses 50c - 3 for \$1

White

FRAU K. DRUSCHKI. Pure white, outer petals of buds occasionally tinged with pink.

KAISERIN AUG. VICTORIA. Long buds, creamy-white, tinted yellow at center, fragrant.

KILLARNEY (White.) Long perfect buds, double, snow white. Similar to pink Killarney.

MAY MARTIN. Cream, long buds, bright foliage.

Pink

BRIARCLIFFE. An improved Columbia. High-centered buds of excellent form, color bright pink. Stems long, stiff and nearly thornless.

COLUMBIA. Vigorous growth, free-blooming rose-pink, fragrant.

DAME EDITH HELEN. Pointed buds which open slowly to large blooms of brilliant pink. Very fragrant.

IMPERIAL POTENTATE. Hardy, rose-pink, shaded lighter on reverse of petals. Fragrant. Splendid for cutting.

LA FRANCE. Silvery-rose, shaded pink, very sweet scented.

LOS ANGELES. Rich flaming pink, shaded golden yellow. The most popular rose grown.

MME. C. TESTOUT. Free bloomer, globular blossom, satiny-rose. LaFrance type.

MRS. CHAS. RUSSELL. Clear pink, good stems, vigorous grower.

OPHELIA. Flesh pink, shaded with rose. Large beautifully formed buds standing up well on stiff stems.

ROSE MARIE. Profuse bloomer, flowers cupped double, deep pink, dark foliage.

Red

BETTY UPRICHARD. Buds coppery red. Flowers semi-double; color salmon pink on inner surfaces of petals and glowing orange carmine on outside. Plant tall and erect, and flowers borne on long stems.

CHATEAU DE CLOS VOUGEOT. Velvety red rose of very double blooms. Spicily fragrant, low growing, rather dwarf bush.

CRIMSON EMBLEM. New Irish rose, rich crimson, shaded maroon. Adapted for cutting. Almost mildew-proof foliage.

CUBA. Brilliant orange-scarlet buds of great length which open to large, almost single flowers of vermilion and orange.

E. G. HILL. The most unfading of all red roses. Long lasting when cut. Blooms produced singly on long strong stems.

ETOILE DE HOLLAND. Brilliant red blooms with beautiful oval buds. Quite fragrant, strong and free branching.

HADLEY. Rich crimson with velvety texture, very fragrant. Beautiful foliage and mildew proof.

HOOSIER BEAUTY. Dark crimson, shaded with maroon, veined black. Large, double, velvety flowers.

LORD CHARLEMONT. Long buds opening to large double flowers of intense clear crimson-scarlet and deepening to lasting carmine-crimson with almost black shadings.

MARGARET McCREADY. Brick red; short stout buds; large flowers. Heavy foliaged, well branched bush.

MME. EDOUARD HERRIOT. A pure copper color with buds of coral red, shaded with yellow at the base.

PADRE. Rich coppery scarlet. Semi-double flowers borne on long erect stems on a tall bush. Free bloomer and a remarkable color.

PRESIDENT HOOVER. Combines many shades of cerise-pink, flame, scarlet and yellow. Long, beautifully formed buds and a rich fragrance. Bush is exceptionally fine.

RED RADIANCE. Bright, cerise red; blooms profusely entire season. Erect stems.

SENSATION. Long pointed bud of deep rich red, having fine white vein in petals.

TALISMAN. A mixture of orange and yellow which varies in the different blooms. Fairly double and borne on long stems. Sweetly scented.

VIGORO FERTILIZER PRODUCES BETTER ROSES



E. G. HILL

CLIMBERS

Each 50c.

- AMERICAN BEAUTY. Rich, rosy deep pink flowers about three inches in size, which are produced in great abundance.
- CECIL BRUNNER. Light pink with yellow base. Strong grower and free bloomer.
- CRIMSON RAMBLER. Large bunches of bright red flowers. Good climber, small foliage.
- DR. VAN FLEET. Flowers pale pink, equaling any tea rose. Long, pointed buds; stems 12 to 14 inches. Splendid for cutting. Vigorous grower.
- DOROTHY PERKINS. Bright pink.
- HOOSIER BEAUTY. Glowing crimson scarlet with darker shadings of vevlety texture. Buds large, long and pointed.
- K. A. VICTORIA. Outer petals creamy white; center yellow. Growth vigorous, free flowering.
- LADY HILLINGDON. Large flowers with long pointed buds, color of deep apricot yellow.
- LOS ANGELES. Shrimp pink. Same as the bush form.
- MARECHAL NEIL. Deep, golden yellow of fine color. Flowers, large, full and fragrant.
- MAD. E. HERRIOT. Brilliant coral red buds opening to flaming pink and orange.
- PAUL'S SCARLET. Clusters of semi-double scarlet red flowers.
- SILVER MOON. Long, creamy buds followed by beautiful semi-double flowers.
- SOUV. DE CLAUDIUS PERNET. Long buds of pure, deep yellow. Dark, glossy foliage. Good climber.
- TAUSENDSCHOEN. Soft pink flowers, later changing to carmine on reverse of petals. Flowers large, with wavy, azalea-like petals.

TREE ROSES

Tree roses are properly and effectively used in connection with your beds of bush roses.

Four to five-foot standards of first grade heads in colors of red, yellow, pink, copper and white. Each \$2.00.

BABY ROSES

Each 50c

- BABY CRIMSON. One to two feet high. Large clusters of crimson flowers. Fine for massing, borders, etc.
- CECIL BRUNNER. Best known and most popular baby rose. Large loose clusters. A strong continuous bloomer.
- EDITH CAVELL. Brilliant scarlet holding color until flowers are gone. One to two feet high; used in massing or borders. Semi-double flowers.
- GEORGE EGER. Small yellow blossoms. One to two feet high. Good for borders, etc.
- GOLDEN SALMON. Brilliant golden-orange-scarlet. Always in bloom. One to two feet high.

ALPINE and PERENNIAL PLANTS

25c each, 6 for \$1.00

*Denotes Rock or Alpine.

- ACONITUM WILSONII. Resembles Blue Delphinium. 3 to 5 ft.
- *AETHIONEMA CORDIFOLIUM. Lilac-rose flowers; bluish foliage; 8 in.
- ALSTROMERIA AURANTIACA. Orange, lily-like flowers; delicate; 2 to 3 ft.
- *ALYSSUM SAXATILE. Yellow flowers; about 1 ft.
- ANCHUSA ITALICA. Blue flowers; 4 ft.
- ANEMONE JAPONICA. Assorted colors; 2 to 3 ft.
- AQUILEGIA. Long spurred flowers; delicate colors.
- *ARABIS. White or pink flowers; 6 in.
- *ARENARIA GRANDIFLORA. White flower; small plant.
- ARTEMISIA LACTIFLORA. Fleecy white plumes; 6 ft.
- ASTERS (Michaelmas Daisy). Assorted colors; tall.
- *AUBREITIA. Trailing; various colors.
- *BELLIS PERENNIS (English Daisy). Bright red, shaded to white. 3 in.
- CARNATIONS. Assorted colors.
- CANTERBURY BELLS. Pink, white, blue.
- *CAMPANULA CARPATICA. Blue or white flowered.
- CHRYSANTHEMUMS. Assorted colors.
- COREOPSIS. Bright yellow, continuous bloomer border plant.
- DELPHINIUM. Dark blue, light blue.
- DIANTHUS. Assorted colors; 15 in.
- DORONICUM. Large yellow daisy.
- GEUM. Lady Stratheden. Rich yellow, double flower. Mrs. Bradshaw. Orange-scarlet rose-like flower.
- GYPSOPHILA—Paniculata. Baby breath. 3 ft.
- *HELIANTHEMUMS. Assorted colors; trailing and dwarf.
- *HEUCHERA SANQUINEA. Red, bell flowers.
- HEMEROCALLIS. Deep yellow day lily; 15 in.
- HOLLYHOCKS. Assorted colors.
- *IBERIS. Improved candytuft; rose, lavender, white.
- LAVANDULA. VERA. English lavender; 3 ft.
- *LINUM PERENNA. Azure blue flowers; continuous bloomer.
- LYCHNIS CHALCEDONICA. Resembles small Sweet William; scarlet; 2 ft.
- POPPIES. Nudicaule. Assorted colors. Oriental. Large orange or red.
- PHLOX DECUSSATA. Assorted colors; hardy.
- *PHLOX SUBULATA. Pale blue, dark purple spot; dwarf.
- *PRIMULAS. Primroses. Assorted colors; various heights.
- PYRETHRUM. White, pink, red daisies.
- *SAXIFRAGES PYRAMIDALIS. Large bunches tiny white flowers; 2 ft.
- SALVIA (Azure Grandiflora). Sky-blue flowers; 3-4 ft.
- *SEDUMS. Assorted colors; good ground covers.
- *SEMPERVIVUMS (Hen and Chickens). Rosettes of succulent foliage.
- *SILENS. Assorted colors.
- THALICTRUM DIPTEROCARPUM. Shower of small lavender flowers. 3-4 ft.
- TRITOMA. Assorted colors; spike flowers.
- VIOLAS. Apricot, bronze, purple, white, yellow.
- WALLFLOWERS. Assorted colors.
- WALLFLOWER (Siberian Allioni). Bushy plant; bright orange flowers.
- VIOLETS. Assorted colors.
- DAPHNE CNEORUM. Pink flowers; dwarf shrub. 35c and 50c.



Controls
• Mildew
• on
• Roses



TEN OF THE BEST CUT FLOWER VARIETIES

All Blooming Size 1 1/4 inches. Priced per dozen postpaid.

APRICOT GLOW. Rich apricot, wide open blooms, tall plant. Doz. 35c.

BETTY NUTHALL. A new color; warm light coral with pale yellow throat. Doz. 40c.

BREAK O' DAY. A most beautiful light pink as soft as the break of dawn. Doz. 35c.

CARMEN SYLVA. Tall, large wide open white. Extra good. Doz. 35c.

DR. F. E. BENNETT. Large brilliant flame red, the best red. Doz. 40c.

GIANT NYMPH. Tall, light pink, a great favorite. Doz. 40c.

GOLD EAGLE. Fine golden yellow, very early. Doz. 30c.

MRS. LEON DOUGLAS. Unusually large begonia rose or strawberry red. Striped with scarlet. Doz. 35c.

MRS. P. W. SISSON. Large wide open cameo pink. Doz. 40c.

PRIMROSE PRINCESS. Primrose yellow, very large and showy. Doz. 40c.

● Beautiful Colors

GLADIOLUS

Mixed Glads—35c per dozen; 100 for \$2.00

ALBATROSS. Large beautiful fine white blooms. Plant and bloom often four feet tall. 2 for 15c.

BETTY NUTHALL. A new color; warm light coral with pale yellow throat. 6 for 20c.

BLUE TRIUMPHATOR. Pale light blue of large size and tall spike. Each 20c.

COMMANDER KOEHL. A beautiful large dark scarlet, a most unusual variety. Each 10c.

CORYPHEE. A most beautiful soft rose pink with many blooms open. 3 for 25c.

DR. F. E. BENNETT. Large brilliant flame red, the best red. 3 for 20c.

DOUBLET. Prim, cream and yellow, ruffled and dainty. 3 for 20c.

EVELYN KIRTLAND. Tall pink, darker throat, a general favorite. 3 for 20c.

GLOXINIA. Most unusual combination of cherry red and cream with prominent blotch. Each 15c.

HEAVENLY BLUE. Lovely aniline blue. One of the best and tallest light blues. 3 for 25c.

HINEMOA. Very striking smoky rose with large clear yellow blotch. Each 10c.

JUBILEE. Huge lavender pink. Always admired. 3 for 25c.

MARGARET FULTON. Soft salmon rose. Very pretty. 3 for 25c.

MAMMOTH WHITE. The largest pure white in existence. Very heavy foliage and spike. Each 15c.

MINUET. A beautiful clear lavender, and many times a prize winner. 3 for 20c.

NANCY HANKS. Apricot and orange, wide open bloom of medium height spike. Very attractive. 3 for 20c.

OSALIN. Glowing coral pink. Soft and dainty. 4 for 20c.

ORANGE BUTTERFLY. Rich orange bronze, many open, each spike a bouquet. 3 for 20c.

PEACH ROSE. Rose pink, darker throat, a prize winner. 3 for 20c.

RED FIRE. Bright red self color. Does not burn. 3 for 20c.

RICHARD DIENER. Geranium pink, one of the best in this color. 3 for 20c.

ROSE ASH. Ashes of roses, tall and unique. 5 for 20c.

SALBACH'S PINK. Large, wide open, glowing geranium pink with soft carmine tongue and throat markings. Long graceful flower spike. 2 for 25c.

SCHUBERT. Large creamy yellow with scarlet blotch. 2 for 25c.

SENORITA. Clear wide open orange, shading to salmon, lower petals bright orange yellow. Carmine tongue and penciling. 3 for 25c.

VEILCHENBLAU. Dark violet blue, tall spike, very desirable. 3 for 20c.

Gladiolus Collection

TWO EACH OF THE SIX LATEST VARIETIES

A \$2.25 Value—ALL FOR \$1.30 POSTPAID

MAID OF ORLEANS. Large clear white, with light cream throat.

MILDRED LOUISE. Beautiful strawberry pink, blending to pinard yellow in throat.

MOTHER MACHREE. Unusual tall lavender, orange overcast in gray.

PELEGRINA. The newest and best of Pfitzer's dark blues.

PICARDY. The newest sensation. A variety of great merit. Soft shrimp pink. Blotch of flesh pink. Blooms large and well placed on a strong stem.

WASAGA. A glowing dainty buff with wide open somewhat ruffled blooms. Desirable for every collection.

A 50c GLADIOLUS COLLECTION—INSIDE FRONT COVER



Cactus and Hybrid Cactus Dahlias

- AMBASSADOR, H.C. Giant yellow, orange center. 50c.
- BALLET GIRL. Immense, orange petals edged white. 35c.
- BOB PLEUSE. Giant wine maroon, tipped white. 35c.
- CAMPFIRE GLOW. Large blooms, fully double on erect stems. Bright crimson self. 50c.
- CHEMAR'S MASTERPIECE. Huge, double orchid-pink. 35c.
- GOLDEN WEST. Deep rich yellow overlaid with orange. 35c.
- LILLIAN SHERIDAN, H.C. Orange shaped aurora yellow; petals tipped with gold. Erect stems. 50c.
- MAUDE HASTINGS. Very soft yellow, prolific bloomer. 35c.
- MRS. DOUGLAS FLEMING. Large, white flowers. 35c.
- VELVET. Velvety maroon, free flowering. 50c.

Collarette Dahlias

- GEANTE DE LYON. Large deep garnet, crimson golden collar. 35c.
- MT. LASSEN. Fiery red with yellow collar; free flowering; long, erect stems. 35c.
- SONATE. Light orange-red, yellow collar. 35c.

Show Dahlias

- ANNA REHORST. Rich deep purple. 35c.
- BIG BEN. One of the largest and best show dahlias. Rich raspberry red. 35c.
- WHITE LIVONI. Pure white, long erect stems. 25c.
- GOLDEN OPPORTUNITY. Giant deep golden yellow. 35c.
- W. W. RAWSON. White overlaid with amethyst blue. 35c.

Peony Flowered Dahlias

- CITY OF PORTLAND. Deep yellow. 35c.
- MRS. JULIUS MEIER, Giant. Centers deep yellow with major part of petals rich deep salmon. 50c.
- OREGON SUNSET. Golden yellow, suffused brown. 35c.
- SUPREME, Giant. Clear lavender-pink. 50c.
- THE ORIOLE. Combination burnt orange, red, yellow, tipped white. 35c.

Pompons

- ACE OF DIAMONDS. Small, bright red flower. 25c.
- ALL BRIGHT. Deep gold heavily tipped and toned red. Ideal cut flower. 25c.
- ATOM. Small, perfect, orange flowers. Good stems. 25c.
- AMBER QUEEN. Rich amber, shaded apricot. 25c.
- EUREKA. Rich bronze, shading to yellow. 25c.

DIAMOND QUALITY FLOWER AND VEGETABLE PLANTS

VEGETABLE PLANTS
Transplanted

- ASPARAGUS. Giant Washington, Mary Washington. 1 year, postpaid. Doz. 40c; 50, 75c; 100, \$1.25; 1000, \$5. 2 years. Doz. 50c; 50, \$1.00; 100, \$1.50; 1000, \$8.00. Postpaid.
- CABBAGE. All varieties. State kind wanted. Doz. 25c; 100, \$1.25; 1000, \$10.00. Postpaid.
- CAULIFLOWER. All varieties. State kind wanted. Doz. 30c; 100, \$2.00; 1000, \$16.00. Postpaid.
- CELERY. All varieties. State kind wanted. Doz. 25c; 100, \$1.50. Postpaid.
- HOP ROOTS. 3 for 25c; doz. 75c; 100, \$3.50. Postpaid.
- HORSERADISH ROOTS. 3 for 25c; doz. 50c; 100, \$2.00. Postpaid.
- KALE, 1000 HEAD. Doz. 25c; 100, \$1.25; 1000, \$10.00. Postpaid.
- LETTUCE. Transplanted. Doz. 25c; 100, \$1.25; 1000, \$10. Postpaid.
- PEPPER. Chinese Giant and California Wonder. Doz. 30c; 100, \$2.00; 1000, \$16.00. Postpaid.
- RHUBARB. Riverside Giant. Each 20c; doz. \$1.50; 100, \$7.50. Postpaid.
- TOMATOES. All varieties. State kind wanted. Doz. 30c; 100, \$2.00; 1000, \$16.00.

ANNUAL FLOWER PLANTS

50c per dozen, postpaid

- | | |
|-------------------|--------------------------|
| ASTERS | PETUNIAS |
| ALYSSUM | PHLOX |
| AGERATUM | PORTULACA |
| CALENDULA | SALVIA |
| CLARKIA | SALPIGLOSSIS |
| COSMOS | SCABIOSA |
| GODETIA | STOCKS |
| LARKSPUR | SNAPDRAGONS |
| LOBELIA. Dwarf | VERBENA |
| LOBELIA. Trailing | ZINNIAS |
| MIGNONETTE | PANSIES. \$1.00 per doz. |
| MARIGOLDS | |

DAHLIAS—Continued

- GEO. IRELAND. Dainty mauve. 25c.
- GLOW. Light old rose or coral. Beautifully neat flowers on perfect stems. 25c.
- IDEAL. Pure canary yellow. 25c.
- JOE FETTE. Pure white. Small perfect blooms. 25c.
- LITTLE JEWELL. Decorative, small, peach pink. 25c.
- RHODA. Decorative, glowing orange-rose. 25c.
- ROSEA. Deep lilac. Small, neat flowers on good stems. 25c.

Decorative Dahlias

- AL KORAN. Giant goldenrod yellow. 35c.
- BOB BARKER. Bright rose pink, with gold base. Long, erect stems. 50c.
- CLAUDE HARLAN. Giant double lavender. Free flowering. 35c.
- CHAMPAGNE. Large copper to dull gold. 35c.
- CHAMPOEG. Waxy canary yellow at the center shading to bright peach red towards the outer edges of the petals. Stems are very stiff. 75c.
- EARL WILLIAMS. Immense scarlet, tipped white. 50c.
- FRANK MILLER. Picric yellow growing to a large size on long, straight stems. 50c.

BERRY PLANTS

The Pacific Northwest is one of the outstanding berry sections of the world. Soil and climatic conditions are ideal for berry raising. Below we offer the leading berry plants at extremely low prices. If you are planting berries for the first time let us help you plan your garden. Write for complete information.

Youngberry

A real special! These berries are said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored, very productive berry. Bears early and commands the highest market prices. The fruit colors well and is exceptionally sweet and large. Color, jet black. Ten plants of this variety will make a row eighty feet long.

Youngberry Transplants, ea. 15c; 10, \$1.25; 100, \$10.00.

Strawberries

Diamond Quality Strawberry Plants are large, vigorous, healthy and heavy-rooted. They have large full crowns. Carefully grown and are free from disease and pests. We dig as ordered and pack for shipment in well-ventilated crates. Grown from our select strains and always true to name; no substitution is ever allowed without instructions from the purchaser. All prices, except noted: 25 for 35c; 100 for 95c; 500 for \$4.25; 1000 for \$7.50, postpaid.

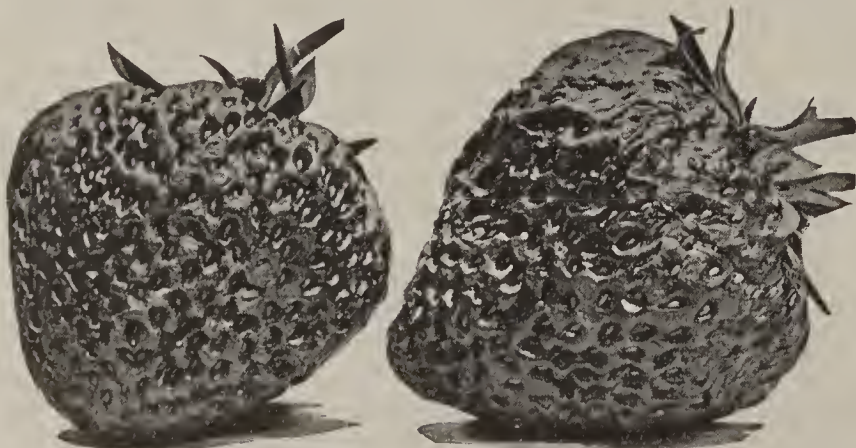
BANNER. A beautiful dark red. An exceptionally sweet variety and a real heavy bearer.

NEW OREGON. Most uniform and heaviest yielding main crop strawberry. Large, firm, of fine form, average 15 to the quart box. Brilliant deep rich red, with glossy, varnished appearance. Color extends through to the very center and they are never hollow. Flavor is suggestive of the wild berry. An early bearer, being ready for marketing the first half of May in the Willamette Valley and holds up in size and quality throughout the season.

MARSHALL. One of the best all-round strawberries. Very large and fine flavored throughout the entire bearing season. A splendid market and table berry. Our stock of Marshalls is absolutely true and a vigorous and prolific strain.

NICK OHMER. Truly outstanding. This berry is not commonly known to most strawberry growers, but we believe it will be a leading seller in the next few years. It's a very hardy grower and a heavy bearer. We highly recommend this variety. 25 for 50c; 100 for \$1.50; 500 for \$5.00; 1000 for \$9.00, postpaid.

MASTODON EVERBEARING. The largest everbearing berry grown. Mastodon is the most prolific, the firmest, the most beautiful berry with the real strawberry flavor. Bears early and late and can be picked all spring. Mastodon is the real marvel in strawberries. Nothing like it has ever been known. Every garden patch should have a few of these wonderful plants. 25 for 50c; 100 for \$1.75; 500 for \$8.00; 1000 for \$14.00.



MASTODON



YOUNGBERRY

Raspberries

CHIEF. Another late variety that is rapidly becoming popular. Especially with market gardeners. Tips. 100 for \$2.00; 50 for \$1.25; 25 for 75c. Transplants. 100 for \$7.50; 50 for \$4.00; 25 for \$2.25; 12 for \$1.20.

BLACK CAPS. 2-year, each 25c; 10 for \$2.25. 1-year, each 20c; 10 for \$1.75.

RED CAPS. 1-year, each 10c; 10 for 75c; 100 for \$5.00. Cuthbert, Marlboro, St. Regis Everbearing Red Caps. Each 20c; 10 for \$1.75; 100 for \$10.00.

Blackberries

1 Year, each, 15c; 10, \$1.25

Eldorado, sweet and rich. Himalaya Giant (Evergreen). Everbearing, coreless, sweet. Lawton, fruit large, very productive. Thornless Mammoth Blackberry (Cory). Tips, spring delivery only, each 20c; 100, \$10.00. 1 Year, transplanted, each 25c; 100, \$10.00.

Loganberries

2 Year plants, each 20c; 10, \$1.75; 100, \$15.00
1 Year plants, each 15c; 10, \$1.25; 100, \$10.00

Gooseberries

Oregon Champion, large, green, sweet, fine. Each 20c; 10, \$1.75.

CURRANTS

Oregon shipments only

Each 20c; 10, \$1.75

Perfection, largest, most prolific. Bright red, rich flavor, mild, sub-acid. Fays Prolific.

GRAPES

2 Year Plants, each 35c; 3, 75c; 10, \$1.75; 100, \$15.00
1 Year Plants, each 30c; 3, 60c; 10, \$1.25; 100, \$10.00

Campbell's Early, Nearly round, black. Concord, Large, black grape. Bunches compact. Delaware, bright red. Lucile, Niagara, large, roundish, uniform white. Worden, large, black. Improved Concord, late.

● Shrubs - Evergreens - Trees

DECIDUOUS SHRUBS

Deliveries made from November until May.

ALMOND (*Prunus*) Pink flowering. Dwarf shrub. Shipping size 18-24 inches. Each, 75c.

ALTHEA (*Rose of Sharon*). Late summer blooming. Colors pink, white or red. Shipping size 30-36 inches. Each 75c.

AZALEA (*A. Mollis*). In early spring is covered with gorgeous flowers before the leaves appear. Colors mostly orange, yellow and salmon pink. Shipping size 12-18 inches. Each \$1.50.

BUDDLEYA (*Magnifica: Summer Lilac*). Slender branches that terminate in flowers of lavender blue. Shipping size 24-30 inches. Each 75c.

CALYCANTHUS (*Floridus: Sweet-scented Shrub*). Double, dark crimson flowers, very fragrant and blooms all season. Shipping size 15-18 inches. Each 75c.

DEUTZIA (*Gacilis*). Low growing, slender branches, covered with a profusion of flowers. White with blush of pink in the bud. Shipping size 12-15 inches. Each 75c.

D. Lemoinei. Flowers in large clusters of pure white. Grows to 6 feet high. Shipping size 24-30 inches. Each 75c.

FORSYTHIA (*Golden Bell*). Blooms in dense masses of golden-yellow flowers in early spring. Shipping size 30-36 inches. Each 75c.

HONEYSUCKLE (*Bush: Pink Tartarian*). Bushy, upright growth. Flowers freely. Red and orange berries stay on until fall. Shipping size 18-24 inches. Each 75c.

HYDRANGEA (*Japanese Otaksa*). Blue and pink. Shipping size 12-18 inches. Each 75c.

Paniculata Grandiflora (*Tree Hydrangea*). Pure white afterwards changing to pink. Shipping size 24-30 inches. Each 75c.

PRIVIT. California. Our best plant for hedges. Plant in double row 2 feet apart, 6 inches between plants. 10 plants \$1.00; 100, \$7.50. English. Hardy. Leaves smaller. Shipping size 18-24 inches. 10 plants \$1.00; 100, \$7.50. Golden. Variegated. Shipping size 2 feet. Each 75c. Deliveries made from November until May.

LILAC (*Syringa Vulgaris*) Common. Single, white or purple. Shipping size 30-36 inches. Each 75c. Grafted, double or single, white or purple. Shipping size 2-3 feet. Each \$1.00.

MOCK ORANGES (*Syringa*). White, creamy flowers, very fragrant. Shipping size 30-36 inches. Each 75c.

QUINCE (*Japanese Flowering*). Scarlet flowers. Shipping size 18-24 inches. Each 75c.

SPIREA. Flowers red in dense spikes. Blooms most of summer. Maturity height 4 feet. Shipping size 18-24 inches. Each 60c.

Bridal Wreath. Blooms during May and June; long sprays of large white flowers. Very hardy and ornamental year round. 60c.

Crimson Spirea. Deep red flowers, blooming all summer. Shipping size 18-24 inches. Each 60c.

Thunbergii Spirea. Shipping size 18-24 inches. Ea. 60c. **Van Houttei's**. Flowers white in clusters. May. Shipping size 24-30 inches. Each 60c.

SNOWBALL. Flowers globular, pure white, in May. Shipping size 18-24 inches. Each 60c.

TAMARIX (*African*). A tall slender irregular shrub with feathery foliage and small delicate pink flowers. 3 to 4 ft. high, \$1.00.

WEIGELIA. Free-flowering shrub. Shipping size 24-30 inches. Each 75c.

DECIDUOUS TREES

Shade and Ornamental

BECHTEL'S FLOWERING CRAB. Large, double, fragrant, pinkish, rose-like flowers, covering entire tree. Apple-like foliage turns bronze in fall. Forms a rounded compact, dwarf tree. \$1.00

BIRCH. White, common, 5-6 feet. Each \$1.00. Cut Leaf (*B. Alba*) Silvery-white bark, slender, drooping branches, 5-6 feet. Each \$1.25.

CATALPA. Splendid trees. White flowers, bright foliage. 5-6 feet. Each \$1.25.

Catalpa Bungei. Dwarf, dense, round-headed variety. Much in outline like the popular Bay trees, but is hardy and better adapted for the garden. 5-6 feet. Each \$1.50.

CHERRY (*Japanese Rose-flowered*). Pendulous clusters of small rose-pink flowers. Effective at ends of vistas or with trellis support. Early bloomer. 2-yr., 5 to 6 ft., \$2.00; 1-yr., 4 to 5 ft., \$1.50.

DOGWOOD (*Pacific*). Creamy white flowers; grows in any soil or climate. Vigorous growth; leaves highly colored in fall. 5 to 6 ft., \$1.50.

ELM (*American*). Tall, wide spreading tree, light gray trunk. 6 to 8 ft., \$1.50; 5 to 6 ft., \$1.00.

HAWTHORNE. Paul's Double Scarlet. 5-6 feet. Each \$1.25. 6-8 feet. Each \$1.50.

HORSE CHESTNUT (*A. Hippocastanum*). Tall; large divided leaves; long panicles of fragrant, snowy-white flowers. Good shade tree. 5 to 6 ft., \$1.75.

MAPLE. Norway. 5-6 feet. Each \$1.00.

MOUNTAIN ASH. European. White flowers, red berries. 5-6 feet. Each \$1.25.

OAK (*Red Leaved*). Tall; stout spreading branches; lobed leaves; beautifully colored. 6 to 8 ft., \$2.25.

PEACH (*Flowering*). Large, single and double, light, deep red, and cerise and maroon flowers. 4 to 5 ft., \$1.25; 3 to 4 ft., \$1.00.

PLUM (*Bleireiana*). Purple tinted foliage, reddish bronze later. Medium size, semi-double fragrant flowers. Early bloomer. 4 to 6 ft., \$1.25.

Thundercloud. Dark purple foliage, pink flowers.

POPLAR (*Carolina*). Broad, wide-spreading branches; dark bark. 6 to 8 ft., 75c.

Lombardy. Straight, narrow, spirelike. 6 to 8 ft., 75c.

WEeping WILLOW (*Babylon*). Long, slender, drooping branches; bright green leaves. 6 to 8 ft., \$1.00.

EVERGREEN SHRUBS

ABELIA (*Grandiflora*). Small, glossy leaves and tubular-shaped flowers of a blush-pink color. Shipping size, 12-18 inches. Each 50c.

ACUBA (*Japanese Laurel*). Japonica Variegated. Yellow spotted leaves. Japonica Green. Dark, glossy, green leaves. Shipping size 12-18 inches. Each 75c.

AZALEA. Crimson. Loaded in early spring with masses of scarlet flowers. Thrive best in cool, moist situation. Excellent for massing or in front of other shrubs. Shipping size 6-8 inches. Small plants, each 35c.

BARBERRY (*Japanese Thunberg's*). Arching growth; yellow flowers; red berries; foliage has beautiful coloring in fall. 18 to 24 in., 50c.

Red Leaved. Foliage is a rich, lustrous, bronzy red at all times. In fall foliage becomes orange, scarlet and red shades with scarlet berries. Should be planted in full exposure to sun. 15 to 18 in., 75c.

Wilsoni, Dwarf. Has glossy green leaves, long spines, yellow flowers, red berries. 12 to 15 in., 75c.

BOXWOOD. Small leaves of dense, compact growth. Globe form 12 to 15 inch spread, 15-18 inches high. Each \$1.50. Small plants, each 25c. For hedges write for prices on quantity desired.

DAPHNE (*Japan*). (*Pink Daphne*). Blooms early spring. Shipping size 9-12 inches. Each 75c.

WRITE FOR PRICES FOR SHRUBS NOT LISTED ABOVE

● Shrubs - Evergreens - Trees

Continued

CAMELIA (China and Japan). Small trees with shining waxy leaves and flowers. Thrive best in partial shade. Shipping size 12-15 inches. Each \$1.00.

COTONEASTER (C. Franchetti; China). Pink flowers, red berries in the fall. Shipping size 12-15 inch, 50c; 24-30 inch 75c.

C. Horizontalis (Trailing). Nearly deciduous. Leaves small, turn red in winter. Berries red, stay all winter. Excellent for terrace, hardy. Each 75c.

LAUREL English (Cerasus). Growth shrub-like, with broad, dark green leaves. 2 feet apart for dense hedge. Shipping size 18-24 inches. Each 75c. Hedge plants, unballled. Each 25c.

Portugal. Dark green, glossy leaves, small but very compact. Can be trimmed to globe or pyramid shapes. Shipping size 12-15 inches. Each 50c.

LAURUSTINUS. Dark green foliage. Small, white flowers. Very hardy. Shipping size 10-18 inches. Each 50c.

BARBERRY (M. Buxifolia). Dark green foliage; yellow flowers. 6 to 8 in., 50c.

HEATHER (Irish Belle). Purple, bell-shaped bloom in July or August. 12 to 18 in., 75c.

Mediterranean. Pink, bell-shaped bloom in fall and winter. 10 to 12 in., 75c.

PYRACANTHA (Lalandi). Sturdy, bushy shrubs; orange berries. 18 to 24 in., 75c.

Coccinea. Red berries. Very robust type. 18 to 24 inch, 75c.

ENGLISH HOLLY (Grafted). Shiny, spiny, dark green leaves. Bright red berries. Compact bush. 12 to 15 in., \$1.50.

VARIEGATED HOLLY (Grafted). Variegated leaves; bright red berries; compact bush. 12 to 15 in., \$1.50.

VINES and CREEPERS

CLEMATIS (Jackmanii). Large purple flowers; requires rich, deep soil; plenty of water; perfect drainage; sunny position. \$1.00.

Mme. Edw. Andre. Red flowering. \$1.00.

Paniculata. White flowering. 75c.

HONEYSUCKLE (Hall's Japanese). Vigorous grower; white flowers changing to yellow. Blooms June-August. 75c.

IVY (Boston). Fine for brick or stone wall; quick growing. 75c.

Virginia Creeper. Vigorous grower; large leaves turn bright colors in fall. 75c.

English. Evergreen shrubby vine; large, dark green leaves. 75c.

JASMINE. Splendid for sheltered places. Pink or white flowers. 75c.

WISTARIA (Sinesis). Purple or white flowers in long, drooping racemes. 75c. Grafted vines, \$1.50.

"A" DUST

"G" FUMIGANT

1/2-lb. tin	\$.45	5-lb. tin	\$ 3.00
1-lb. tin .....	.75	25-lb. tin	10.00
5-lb. tin	2.50	100-lb. tin	30.00



THIS YEAR—FERTILIZE FOR BETTER RESULTS

● Fruit Trees

APPLES

First Grade	Each	Per 10
2 years (Branched)	\$.85	\$7.00
1 year, 4-5 feet .....	.75	6.50

Autumn and Winter Varieties

BALDWIN. Large, rounded, deep bright red. Very productive.

DELICIOUS. Fruit equals name in every respect. Keeps till April.

GRIMES GOLDEN. Rich golden yellow. Flesh tender and juicy.

JONATHAN. Long lived and an early bearer. Fine quality.

NORTHERN SPY. Large, round, greenish yellow. Requires good soil.

SPITZENBERG. Yellowish, with broken stripes of bright red.

WEALTHY. Medium, whitish-yellow, shaded with deep red.

WINTER BANANA. Market fruit. Pale yellow with pink blush.

YELLOW NEWTOWN. Pippin. Large, firm, juicy and smooth skinned.

Summer Varieties

EARLY HARVEST. Medium size. Tender and fine for table and cooking.

GRAVENSTEIN. Large, crisp, juicy fruit. Tree very vigorous.

RED ASTRACHAN. Large, deep crimson, flesh white.

YELLOW TRANSPARENT. Flesh tender, juicy, sub-acid. Tasty.

Crabapple Varieties

FLORENCE. Red striped. Very early, juicy and crisp.

RED SIBERIAN. Yellow with scarlet cheek. Bears abundantly.

TRANSCENDENT. Very large and excellent for tasty cider.

CHERRIES

First Grade	Each	Per 10
2 years, 4 to 6 feet	\$1.00	\$9.00
1 year, 4 to 6 feet .....	.85	7.00
1 year, 3 to 4 feet .....	.75	6.50

BING. Large, dark brown or black. Very fine, tasty and sweet.

BLACK REPUBLICAN (Lewelling). Large, black and sweet.

LAMBERT. Largest size. Deep, rich red. Fine firm flesh.

ROYAL ANN. A magnificent cherry of the largest size.

WATERHOUSE (Long Stem). Small tasty fruit, light red.

Pie Cherries

EARLY MORELLO. Nearly black. Medium to large sizes.

LARGE MONTMORENCY. The most popular sour cherry grown.

LATE DUKE. Large, light red. Excellent taste, sub-acid.

MAY DUKE. Large, rich, dark red, sub-acid. May bearer.

APRICOTS

First Grade	Each	Per 10
1 year, 4 to 6 feet	\$.75	\$6.50
1 year, 3 to 4 feet .....	.65	5.50

MOORPARK. Excellent for canning and drying. Free-stone.

ROYAL. Sweet, rich, juicy. Good dryer and canner.

THE LEWIS. Best flavored. Very hardy with juicy fruit.

TILTON. Large. Rich color, high flavor. Very productive.

PEACHES

First Grade	Each	Per 10
4 to 6 feet.....	\$.75	\$6.50

EARLY ALEXANDER. One of the largest early varieties. Sweet.

EARLY CRAWFORD. Large, yellow, red cheek. Freestone.

ELBERTA. Large, bright yellow, red cheek. Juicy, sweet.

EARLY ELBERTA. Same as above except larger fruit and earlier bearing.

HALE'S EARLY. Extra fine quality. Freestone.

J. H. HALE. Ripens a few days earlier than Elberta.

LATE CRAWFORD. Large, yellow, dark red, juicy. Freestone.

MAYFLOWER. Red freestone and extremely early.

PRUNES

First Grade	Each	Per 10
2 years, 4 to 6 feet.....	\$.85	\$7.00
1 year, 6 to 8 feet.....	.75	6.50
1 year, 4 to 6 feet.....	.65	5.50

HUNGARIAN. Very large, dark red, juicy and sweet.

ITALIAN (Fellenberg). Dark purple, flesh greenish-yellow.

NEW STANDARD. Trees large. Enormous yield. Freestone.

PACIFIC. Large, sweet. Same color as Italian. Good canner.

PETITE (French). Medium, egg-shaped. Violet purple. Sugary.

QUINCE

First Grade	Each
1 year, 3 to 5 feet	\$.75

PINEAPPLE. Flavor is suggestive of pineapple. Resembles the orange quince, making superior jelly. Can be eaten raw and has a most exquisite and delicious flavor. September.

PEARS

First Grade	Each	Per 10
2 years, 4 to 6 feet.....	\$.85	\$7.00
1 year, 4 to 6 feet.....	.75	6.50
1 year, 3 to 4 feet.....	.65	5.50

Autumn Varieties

BARTLETT. Large. Skin thin, clear, lemon-yellow, soft blush.

BEURRE BOSCH. Large, beautiful, russety. Highly flavored.

COMICE. A splendid commercial variety. Ships well.

FALL BUTTER. Yellow, sweet and juicy. September.

Winter Varieties

P. BARRY. Fine keeper. Large, yellow. December to March.

WINTER BARTLETT. Undoubtedly one of the few pears of recent introduction of real merit.

WINTER NELLIS. Medium. Skin yellowish-green. Flesh yellowish-white. Fine grained. December.

RED STEER
FERTILIZER
PRODUCES BETTER CROPS

PLUMS

First Grade	Each	Per 10
2 year, 4 to 6 feet.....	\$.85	\$7.00
1 year, 6 to 8 feet.....	.75	6.50
1 year, 4 to 6 feet.....	.65	5.50

BRADSHAW. Reddish-purple. Adheres partially to stone.

COE'S GOLDEN DROP. Large, light yellow. Late September.

DAMSON. Small, bluish-purple. Rather tart. Trees fruitful.

DAMSON SHROPSHIRE. Dark purple. Very firm. Flesh green.

MAYNARD. Dull red, rich and sweet. Sturdy, quick growing.

BLOOD PLUM. Large, dark red from skin to pit. Bears well.

WASHINGTON. Large, skin dull yellow, crimson blush. Sweet.

YELLOW EGG. Very large. Deep golden, rather acid.

NUT TREES

Write for quantity prices.

Almond

(Nut bearing.) Almonds can be grown successfully in many sections of Oregon and Washington. We can supply most of the leading varieties at price listed. Special prices on large orders. 4 to 6 feet. Nonpareil. Nut sweet, shell thin. Each 85c; per 10, \$7.50.

Butternut

A beautifully formed tree bearing a rough-coated nut of most attractive flavor. Well known to the Middle West. Succeeds fairly well in the Pacific states. Each \$2.15.

Filberts

3 to 4 feet.

BARCELONA. Magnificently large nut from Spain. First quality. Can be grown as low standard tree or bush. Each 60c; per 10, \$5.00.

DU CHILLY. The largest filbert on the Pacific Coast. Nuts are broad, full-fleshed and sweet. Du Chilly is a good pollenizer for Barcelona. Each 60c; per 10, \$5.00.

WHITE AVELINE. This, used with the Du Chilly, considered best varieties for planting with Barcelona for pollenizer. Each 60c; per 10, \$5.00.

Grafted Walnuts

(Soft Shelled.) We offer a splendid strain grafted on 4-year California Black Walnuts. Sturdy, thrifty trees with big, fibrous roots. The best to plant. Comes to bearing much younger than seedling walnuts. Can be shipped by express or truck. 3 to 4 feet, each \$1.00; 4 to 5 feet, each \$1.50; 5 to 6 feet, each \$2.00; large trees, 1 3/4-inch diameter, each \$3.00.

Hickory

Popular Eastern variety. Tree hardy, but slow grower. Nuts medium size, very good. Quality excellent. 4 to 6 feet. Each \$2.00.

● Diamond Quality Vegetables

ARTICHOKE SEED

Seed may be planted during March or April in a bed arranged so that the young plants can be given protection until danger of frost is past. When large enough to transplant they should be set 4 feet apart in rows 2 feet apart. Where climate is not severe buds will produce the second year.

GREEN GLOBE. Medium height plants. Edible bud scales are broad, thick, deep green. Transplant 2-foot rows 4 feet apart. Pkt. 5c; oz. 75c.

JERUSALEM WHITE ARTICHOKE. A fine table variety. Tubers planted and cultivated same as potatoes. An excellent winter hog feed which they harvest themselves. An acre will keep 20 to 30 hogs. Also a valuable cow feed. 10 lbs. \$1.00, postpaid.

ASPARAGUS

CULTURE. Plant roots in well-drained soil about 2 feet apart and about 5 to 6 feet between rows. The seed germinates very slowly and should be planted early in a well prepared seed bed. Asparagus can be produced very easily and cheaply and is a profitable market crop. A bed 15x50 feet, requiring about 100 plants, should give an abundant supply for the average family.

GIANT WASHINGTON. The genuine rust resistant strain, stalks long, rich dark green, thick and heavy, of excellent tender quality.

Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

MARY WASHINGTON. A special selection of Giant Washington. Somewhat earlier and larger but equally resistant to rust. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

Argenteuil.

Palmetto.

BEANS

Plant 2½ inches deep about May 1st or as soon as danger of frost is past. Beans should be picked when about two-thirds grown; that's when they are most delicious!

All varieties of beans on this page (except as noted) sell for: Pkt., 4 oz. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50, postpaid.

Climbing or Pole

P. S. CO. OREGON GIANT GREENPOD. We highly recommend this variety to home gardeners. It keeps producing until killed by frost. Large, fleshy pods, 10 to 12 inches in length, stringless, light greenish yellow splashed with red. A very tasty bean that requires very little care. Pkt. 10c; ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.25.

KENTUCKY WONDER. By far the most popular of all early greenpod beans. Claimed to be the best flavored. The pods are very fleshy, saddle-backed, fine-grained and stringless. They are an early, prolific, vigorous climber so stout poles are recommended. These beans average 8 to 10 inches in length and are light green in color.

OREGON POLE LIMA. Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

OTHER VARIETIES OF LIMA BEANS

Burpee Bush.

Henderson Bush

Fordhook Bush.

KENTUCKY WONDER WAX. A very early bean. Starts bearing when scarcely higher than a bush bean and continues until frost. A popular market gardener variety. Pods are very fleshy, long, crumpled, creamy yellow and practically stringless.

SCARLET RUNNER. A favorite ornamental climber. Also very useful for the table, with pods well filled with kidney shaped beans.

LAZY WIFE. One of the best later green podded pole beans for snaps or green shell use. The dried beans are pure white and oval shaped. Excellent for winter use.

OTHER VARIETIES OF GREEN POD POLE BEANS

Chinese Yard Long

Caseknife.

Tall or London Horticulture.

White Creaseback.

Blue Lake.

Bush—Green Pod

STRINGLESS GREENPOD. This famous greenpod bush bean is unequalled. It is a very early heavy productive bean. The pods are 5 or 6 inches long, round and exceedingly fleshy. They are absolutely stringless and the tastiest of all beans, retaining their full flavor after cooked. We highly recommend this bush bean to all gardeners.

DWARF HORTICULTURAL, or CRANBERRY BEAN.

One of the best dwarf green shelled beans. Excellent either as a snap or green shelled. Pods are 5 to 6 inches long, broad, thick, curved, with splashes of bright red on yellowish background. Beans are large and easily shelled. Excellent for succotash.

STRINGLESS REFUGEE. An improved late, heavy cropper. Pods round, 5½ inches long, light green, fleshy, fine grained, delicious and tender. A splendid variety for snap and canning.

BROAD WINDSOR. A very hardy variety. Can be planted much earlier than other bush beans. Pods are large, broad and flat. One of the best early varieties.

TREE BEAN. Heavy yielder, ripens early, foliage scant. Seed white, rounded form. Most desirable bean for Northwestern growers.

OTHER VARIETIES OF GREEN POD BUSH BEANS

Bountiful.

Black Valentine.

Canadian Wonder.

Lady Washington.

Little Navy.

Michigan Pea.

Red Valentine.

Tender Green.

Bush—Wax Pod

P. S. CO. STRINGLESS WAX. The best early dwarf wax podded variety. Pods are golden yellow, entirely stringless. Their growth, size and shape is the same as the stringless greenpod.

GOLDEN WAX. An improved strain of the old standby varieties, vigorous and highly productive. Reaches table condition in 50 days. Pods are deep golden, about 5 inches in length, broad, oval, stringless, tender and of fine quality. Cooks quickly as a snap bean. Shells well when green.

DAVIS WAX. Hardy and productive. Pods are long, rust resistant and very tender. A popular market garden variety. The dry, white, kidney-shaped beans are excellent for baking.

PENCIL POD BLACK WAX. One of the best black seed, round pod varieties. Pods 6½ to 7 inches long, straight, fleshy, light golden, brittle, tender, stringless. Very popular for home and market gardens.

Brittle Wax.

Prolific Black Wax.

Round Pod Kidney Wax.

Wardwell's Kidney Wax.

ALL VEGETABLE PACKETS FIVE CENTS



DETROIT DARK RED

DIAMOND QUALITY BEETS

All varieties of beets sell for: Pkts. 5c; 1 oz. 15c; ¼ lb. 35c; 1 lb. \$1.00, postpaid.

P. S. CO. MARKET GARDENER. Extra early and remarkable for its fine quality and rapid growth. Tops small, roots deep red, globe-shaped, flesh dark red, fine grained and tender. It is preferred by market gardeners because it matures evenly, stands long and does not split.

DETROIT DARK RED. Due to its uniformity in size and smooth handsome appearance it is very popular with canners as well as home gardeners. Roots are deep red, globe-shaped, with small tap root. This variety is entirely free of white rings and retains its tasty flavor after it grows to full size.

EARLY BLOOD TURNIP. An improved variety over the Blood Turnip Beet. Tops large, roots dark red and nearly round; flesh deep red with lighter zoning; sweet, crisp and tender. We recommend these beets for summer and fall use.

EXTRA EARLY EGYPTIAN. One of the best for forcing. Tops small, roots dark red, rounded top, flat or bottom, with very small tap root. Flesh sweet and tender.

Crosby Egyptian.
Early Wonder.

Early Eclipse.

SUGAR BEETS

Seeds should be planted in early spring in rows 2½ feet apart. Cultivate frequently. When plants are about 3 inches high, begin thinning and continue at intervals until they are 10 inches apart.

KLEIN WANZLEBEN. Best variety for sugar. Is also used for stock. A very excellent yielder for Northwest territory.

WHITE FRENCH or VILMORIN'S IMPROVED SUGAR. Most generally grown for stock, as it contains a heavy sugar yield.

BRUSSELS SPROUTS

Culture is the same as that for late cabbage.

DWARF IMPROVED. The very best of the hardy varieties and the only type we will recommend to our patrons. Sprouts large, round and compact, of the best quality. One ounce sows 500 feet. Pkt. 5c; 1 oz. 25c; ¼ lb. 90c, postpaid.

NAPHTHALENE PROTECTS ROOT PLANTS

MANGEL WURZEL

Plant early in the spring in rows 2½ feet apart. Seeds should be 1 inch apart in the row and covered by 1½ inches of soil firmly pressed down. When plants are 3 inches high, begin to thin until roots are 10 inches apart. One ounce of seed plants 100 feet, and 5 lbs. plants an acre.

All varieties of Mangels (except noted): Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c; 10 lbs. \$4.75, postpaid.

P. S. CO.'s HEAVIEST CROPPER. One of the largest yellow mangels, easily pulled as it grows two-thirds above ground. We highly recommend this variety because of its outstanding quality. Small tops permit close planting of this heavy acreage yielder. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 60c; 10 lbs. \$5.50, postpaid.

YELLOW GIANT INTERMEDIATE or GATE POST. Large roots growing more than half out of the ground. Flesh white, exceptionally sweet and tender.

NEW HALF SUGAR MANGEL. Double the yield of sugar beets. Roots large, smooth, cream white and few rootlets. Tops medium sized. Desirable stock food.

GOLDEN TANKARD. Especially recommended for dairy cows and sheep. Tops small, roots large, oval, easily harvested. Flesh deep golden yellow.

DANISH SLUDSTRUP. Roots long, reddish yellow, growing well above the ground.

Mammoth Long Red.
Red Eckendorf.

Yellow Eckendorf.

BROCCOLI

Early varieties should be started in cold frame during January or February and transplanted to open ground as soon as weather and soil conditions permit. In sections where winters are not severe they may be sown and transplanted the fall before.

Late varieties may be sown from middle to late spring, transplanting when 4 to 6 inches high.

Pkts. 5c; 1 oz. 90c; ¼ lb. \$3.00, postpaid.

ITALIAN GREEN SPROUTING BROCCOLI. Entirely different from heading sorts. Bears a succession of edible sprouting heads. If kept cut will be replaced by others. Sprouts about 5 inches long, terminate in small heads of deep green buds.

ST. VALENTINE. This variety matures in February with large solid white heads. It is exceptionally popular because of its lasting ability.

EARLY LARGE WHITE FRENCH. Very hardy with large white compact heads. Truly the outstanding early variety.

CHICORY

WITLOOF. This variety has become exceeding popular for winter salads. It forms a delicious dish when served like Endive or Cos lettuce with French dressing. The leaves and stems blanch easily. Seed should be sown one inch deep during May or June and spaced about 18 inches apart. Pkt. 5c; oz. 15c; ¼ lb. 50c.

LARGE ROOTED. The roots of this plant are very popular as a coffee substitute. The young tender leaves may be used for salad or cooked for greens. Sow quite thinly in shallow drills in the spring. When well started, thin to stand 2 to 3 inches apart in the row. Pkt. 5c; oz. 15c; ¼ lb. 50c.

CHIVES

An onion-like plant used for salads and flavoring soups. It also makes an excellent ornamental garden bed edging which may be cut frequently. Pkt. 5c; oz. \$1.00.



CABBAGE

Early varieties should be started in cold frames during January and February and transplanted to open ground as soon as weather and soil conditions permit. When winters are not severe they may be sown and transplanted the fall previous.

Late varieties may be sown from middle to late spring, transplanting when 4 to 6 inches high.

Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

DANISH BALLHEAD. The best variety of late cabbage. Globe-shaped plants, medium size with short stems. Large heads, 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Keep perfectly in storage until late spring; very firm and solid.

DANISH ROUNDHEAD. Ball-shaped head with few outer leaves, very hardy. An excellent keeper and fine for early market.

EARLY JERSEY WAKEFIELD. Heads are hard and of fine quality with pointed uniformity. The leaves have small midribs which makes it excellent for cooking. Matures in about 75 days and is a very popular variety with market gardeners.

GOLDEN ACRE. An improved strain of Copenhagen Market, producing earlier with smaller but more compact heads. Will stand in field a long time and an outstanding shipper. Few outer leaves.

CHINESE IMPROVED or PETSAL. This exceptionally fine vegetable is rapidly growing in public favor. Its growth, which resembles the Cos lettuce, has long heads and crisp leaves. Very mild and pleasant flavor served as a salad or cooked.

COPENHAGEN MARKET. A splendid cabbage for the home garden. Early growth with globe-shaped, slightly flattened, large, solid heads. Few outer leaves; keeps and ships well.

Charleston Wakefield.

Disease Resistant Wisconsin Holland.

Late Savoy.

Penn State Ballhead.

Wong Bock (Chinese Cabbage).

Red Stonehead.

Winningstadt.

Glory of Enkhuizen.

SWISS CHARD

LUCULLUS. The leaves of this variety make the finest greens of all. Their heavy stalks are well over an inch thick and grows to a height of 2½ inches. The ribs of this truly outstanding vegetable may be prepared like asparagus. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

CARROTS

May be sown as early as soil and weather conditions permit or as late as June. May planting will miss many of the spring weeds. Cover ½ to 1 inch deep. Cultivate as soon as the plants are well established and thin to 2 to 4 inches in the row according to the size of the variety.

All varieties of carrots: Pkts. 5c; 1 oz. 15c; ¼ lb. 35c; 1 lb. \$1.00, postpaid.

P. S. CO.'s NEW CORELESS. Larger than all other varieties. Crisp, solid, and uniform in size. Truly the outstanding carrot for tasty, crisp vegetable salads during the hot summer months. A genuine stump-rooted type. Holds its color and cooks very quickly.

DANVERS HALF LONG. Grown mainly for its productiveness and adaptability to all classes of soil. A fine quality carrot of uniform size and shape. Sweet, crisp, tasty and tender deep orange flesh. Exceptionally fine for "vegetable stew."

CHANTENAY (Half Long). Well adapted for home gardens. Requires little cultivation and care. Ideal for lazy gardeners! Medium size tops, small necks, slightly tapering roots, stump-rooted and smooth. Deep orange flesh.

IMPROVED LONG ORANGE. Excellent for deep soil. Grows often 12 inches in length. Good for table use when young. Splendid for stock feed when matured.

OX HEART. Especially desirable for a hard, stiff soil. Thick roots that grow from 5 to 6 inches in length. Brilliant orange flesh. Good for table use when young. When matured, excellent for stock.

EARLY SCARLET HORN. Best for early outdoor planting. Roots top-shaped, grow 3 inches in length. Bright red-orange flesh.

Other Varieties of Carrots

Red Cored Chantenay.

Early Scarlet Horn.

French Forcing.

Imperator.

Oregon Chantenay.

Nantes.



DANVERS HALF LONG

STOCK CARROTS

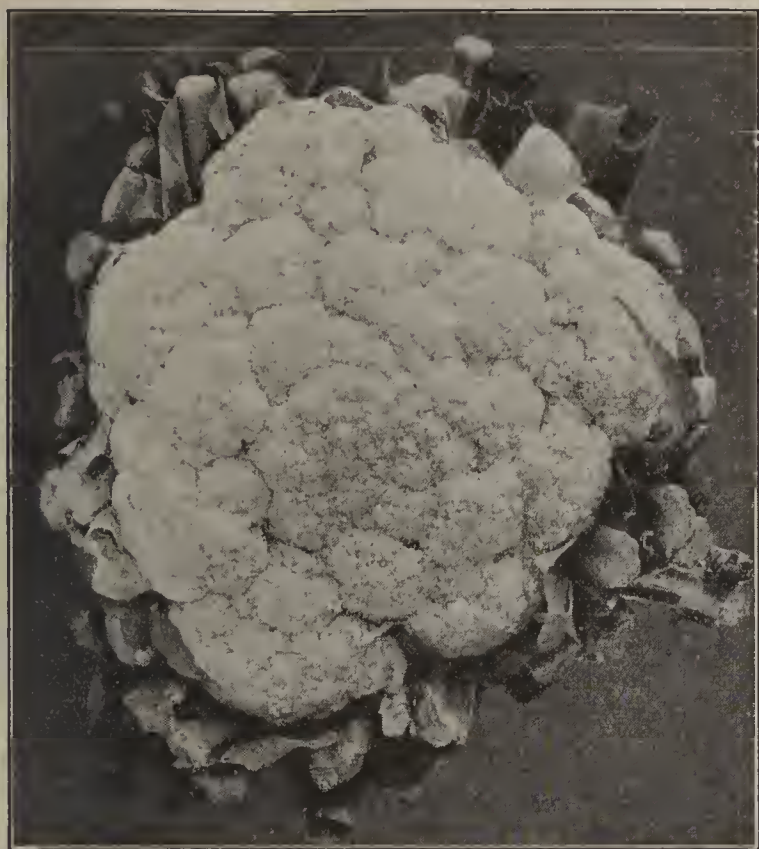
PORTLAND SEED CO.'s YELLOW GIANT. Especially adapted to wet, heavy soils. Half long roots, broad shoulder, growing half out of the ground. Bright yellow flesh. Producing a heavy crop that is most excellent for dairy cows.

LARGE WHITE BELGIAN. One of the oldest and best known stock carrots. Roots 12 inches in length, producing a heavy yield of marvelous quality carrots.

MASTODON. Improved short white flesh, with smooth roots. Very heavy at shoulders, tapering. A heavy producing field carrot.

Yellow Belgian.

ALL VEGETABLE PACKETS 5c



CAULIFLOWER

Early and late varieties require the same culture as early and late cabbage. As soon as heads are large enough to be exposed to the light, tie or bind the leaves carefully over the heads to keep the light away.

PORTLAND SEED CO.'s MT. HOOD SNOWBALL. One of the best early varieties that we give our highest recommendation for early and late planting. Its pure white, fine quality heads of medium uniform size are exceedingly tasty. Popular with home gardeners as well as market gardeners. Pkt. 5c; oz. \$2.00; ¼ lb. \$6.00.

DANISH GIANT. Outstanding because of its ability to yield heavily in dry weather. Its large, solid, white heads mature very early if forced indoors during early growth. Pkt. 5c; oz. \$1.50; ¼ lb. \$5.00.

EARLY SNOWBALL. Adapted very well to forcing as well as outdoor planting. Plants are compact, producing medium to large, round heads that are pure white when blanched. Pkt. 5c; oz. \$1.75; ¼ lb. \$5.50.

LARGE ALGIERS. A very excellent late variety. Plants are large, upright, while large leaves protect the heads from early fall frost. The very best of the late varieties. Pkt. 5c; oz. \$1.25; ¼ lb. \$4.00.

AUTUMN GIANT. Another popular late variety with long stems and dark green leaves. Large, compact, white heads of exceedingly tasty quality. Pkt. 5c; oz. \$1.00; ¼ lb. \$3.00.

RED STEER

The perfect farm fertilizer for Northwest conditions

Prices on page 31

CELERY

Sow seed in hot bed or cold frame in early spring. Transplant when 3 inches above ground level. Better plants are produced if plants are transplanted again when about 6 inches high.

GOLDEN SELF BLANCHING. Indeed, one of the best early spring varieties for Northwest gardens. The long, crisp stalks mature to a beautiful golden yellow, which are easily blanched to a creamy white. Pkt. 5c; oz. 50c; ¼ lb. \$1.75.

GIANT PASCAL. Highly recommended for home gardens because of its keeping qualities and fine, nutty flavor. Plants mature for fall and winter use. The stalks are large, solid, thick, medium height, crisp and stringless. Pkt. 5c; oz. 25c; ¼ lb. 60c.

GOLDEN PLUME. Superior quality, vigorous growing. A favorite with home gardeners. Semi-dwarf in habit. Fine flavored stalks that are brittle, stringless and blanch quickly. Pkt. 5c; oz. 75c; ¼ lb. \$2.25.

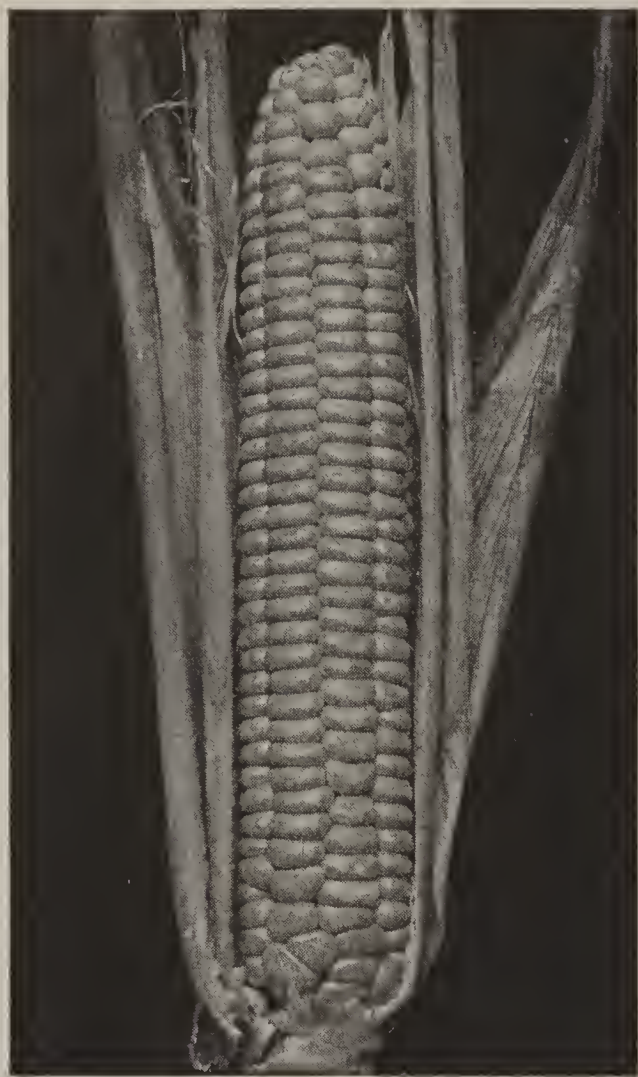
WINTER QUEEN. Matures in the winter and spring. Very compact growth, with large heart. Stalks blanch to cream white. Ribs are solid, crisp and free from strings. Pkt. 5c; oz. 25c; ¼ lb. 60c.

WHITE PLUME. The very earliest known variety. Stalks are exceptionally crisp and tender with inner leaves and tasty white heart. Pkt. 5c; oz. 25c; ¼ lb. 60c.

Control Pests!

During the warm
summer months
Bushes, Flowers
and Vegetables
should be
sprayed with
BLACK LEAF 40
Every two
weeks.
1 ounce bottle
makes 6 gallons
of spray—35c.





CORN

The best condition for growing corn is warm weather, rich soil, and moderate moisture, however, a satisfactory crop can be grown in any garden if the soil is deeply and thoroughly worked before planting. Sweet Corn seed should be planted during the early warm weather season, as cold ground will rot the seed. If the seed is planted in hills they should be spaced from 2½ to 4 feet apart, depending upon height and variety planted. Five or six seeds per hill. When plants are 4 to 5 inches tall, thin from 8 to 12 inches apart and keep well hoed until ears are set.

4-oz. pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50, postpaid.

Yellow Variety

GOLDEN BANTAM. This variety of corn is second to none for tender, sweet and juicy ears. Although not as early as some of the others, its exceptionally fine quality makes it well worth waiting for. Stalks about 5 feet high. Eight straight rows of rich golden kernels to the cob. Splendid for Pacific Coast gardens.

GOLDEN WEST. A very fine early variety. Much the same flavor and tenderness as Golden Bantam and exceedingly popular with market gardeners. Ten to twelve beautiful, tender rows to each ear. Splendid for early gardens.

EARLY SUNSHINE. One of the earlier varieties of sweet corn that is of very good quality. It matures 3 or 4 days earlier than the majority of the others. It is also taller and more vigorous, and the ears have 12 rows of sweet tender kernels.

GOLDEN GIANT. The largest sweet corn of the yellow variety. The ears are well filled and run from 9 to 10 inches in length. The big kernels are very rich, tender and juicy. Very fine for late harvest.

Other Varieties of Sweet Corn

Golden Evergreen.
Improved Golden Bantam
Spanish Gold.

White Variety

EARLY PORTLAND MARKET. Very popular with the market gardeners because of its uniform, sweet, tender ears. It is early and has pure white kernels. Exceedingly fine for Northwest climate and soil conditions.

OREGON EVERGREEN. Earlier than Stowell's and just as fine and sweet. Very popular in Southern California for producing corn through the winter. An exceptionally fine canning variety because of its uniform medium to large ears with 12 to 18 rows of pure white kernels.

STOWELL'S EVERGREEN. Remarkable for remaining a long time in a fresh condition, an advantage for home gardeners. Plants 7 to 7½ feet tall. Ears 8 inches long, 2¼ to 2½ inches thick; 14 to 20-rowed kernels of very deep white.

COUNTRY GENTLEMAN. An old-time variety with a delicious flavor. A very heavy yielder and valuable for home, market gardener and canning. Kernels are white, shoe-peg form, very deep, sweet and tender.

BLACK MEXICAN. An old favorite still in demand because of its quality and sweetness. The kernels are pure white when corn is ready for table use, however, when ready for seed the kernels are bluish or black.

Other Varieties of Sweet Corn

Country Gentleman.
Early Evergreen.
Early Minnesota.

Howling Mob.
Peep o' Day.
White Cory.

Pop Corn

PORTLAND SEED CO.'s "BUTTER CRISP". There is nothing finer on a cold winter evening than a nice warm fireplace and a large tasty bowl of "Butter Crisp" Pop Corn. The kernels of this variety pop out large and fluffy and resembles buttered pop corn because of its creamy color. Pkt. 10c; 1 lb. 30c, postpaid.

WHITE RICE. The standard variety for many years. Kernels pop out large and snowy white. Exceedingly well flavored. 4 oz. pkt. 10c; 1 lb. 30c, postpaid.

Field Corn

1 lb. 15c; 10 lbs. \$1.00, postpaid. Write for 100 lb. prices.

MINNESOTA "13" YELLOW DENT. Earliest of all yellow field corn. A rapid vigorous grower that averages 7 feet in height. Makes a very fine fodder or ensilage crop. A very heavy yielder with large and well-filled ears from end to end.

OREGON GROWN YELLOW DENT. Adapted for western Oregon and Washington. Matures very early and gives a good grain yield. Excellent for silage. A western corn for western farmers.

PRIDE OF THE NORTH. This variety of yellow dent is especially recommended for eastern Oregon, Washington and Idaho plantings. A very heavy yielder and matures early. Truly a fine silo corn.

NORTHWESTERN DENT. A red corn with yellow dent or cap. Adapted to high altitudes and short seasons. Quite frost and drouth resistant and very early. Valuable for late planting and fine for silage.

CHAMPION WHITE PEARL. This large white dent variety is very popular with dairymen of this section because of the great amount of green feed it produces. We highly recommend this corn to all stock raisers.

WHITE FLINT. Very well adapted to Northwestern conditions and matures very early. It is a very heavy yielder and produces fine green foliage. Second only to Champion White Pearl in importance to dairymen.

WISCONSIN WHITE DENT. This variety of white dent is large, handsome and extremely early. It matures perfectly and makes ideal green feed for late summer.

KING PHILIP. This is an early Red Flint variety of field corn. Very well known to farmers of nearly every section in the United States. It is well acclimated for these Northwestern states.



BOSTON PICKLING

CUCUMBERS

The Cucumber is good food during all stages of its growth. Either raw or pickled it is served in salads, and it is a tasty relish by itself. Seed should not be planted until the soil is warm and safe from frost, fairly moist and loose. About ½ inch of soil is all that is necessary to cover the seed. Plant in hills 3 to 5 feet apart, dropping 6 to 8 seeds to each hill. When 6 inches tall thin to 3 per hill.

All varieties of cucumbers on this page (except as noted) sell for: Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.75.

DIAMOND LONG GREEN. Truly the outstanding of the large varieties. It is extremely crisp and tender, sweet, very fine for slicing. It is best for sweet pickles when matured.

DAVIS PERFECT. A vigorous grower. Fruits long, dark green, crisp and tender. Holds its color exceedingly well after picking, which makes it a favorite with the market gardeners. Seed cavity is small, making them very desirable for home and market uses. One of the outstanding varieties for Northwest climate.

DELTUS. We highly recommend this variety for growing under glass as well as outdoors. Tasty cucumbers from 12 to 14 inches long. Colorful, rich, dark green with very few seeds. Excellent for slicing.

SHORT GREEN or EARLY FRAME. One of the earlier varieties and a very hardy grower. Tender, crisp fruit of bright green color. Fine for slicing and pickling because of their straightness.

LEMON. A very productive variety. The fruits resemble a lemon in both form and color, having distinctive flavor. Ready for slicing when starting to turn yellow. May be used either green or ripe for pickling.

BOSTON PICKLING or GREEN PROLIFIC. Truly the finest and most popular pickling variety. The tasty, bright green fruits range from 4 to 5 inches in length and are exceedingly productive. Fine for home and market.

IMPROVED WHITE SPINE. An outstanding variety for table use. It is one of the early types and exceedingly tasty. Uniformly straight and handsome light green fruits, with a few white spines.

JAPANESE CLIMBING. A useful variety for growing on a trellis or wire. The cucumbers are long, of a dark green color, white flesh, crisp and of good flavor.

SMALL GHERKIN. Small, oval, prickly fruited, grown exclusively for pickles. Pale green in color and very uniform in size. They are at their best when about 1½ inches long.

Chicago Pickling.
Early Cluster.
Early Fortune.

Snow's Pickling.
Vaughn.

CELERIAC

The same culture as celery.

LARGE, SMOOTH PRAGUE. The latest improved form with very few side roots. This is the largest and best variety of the "Turnip-Rooted Celery."
Pkt. 5c; oz. 25c; ¼ lb. 75c.

CORN SALAD

FETTICUS or LAMB'S LETTUCE. Used a great deal in winter and spring as a substitute for lettuce, or sometimes cooked like spinach. Sow in drills 1 foot apart in the spring or fall of the year.
Pkt. 5c; oz. 15c; ¼ lb. 35c.

CRESS

TRUE WATER CRESS. A very distinct variety of cress with tasty, small, oval leaves. Grown easily in shallow ponds or along the edges of shallow streams. Excellent for all kinds of salad. Pkt. 5c; oz. 35c; ¼ lb. \$1.30.

CURLED or PEPPER GRASS. Its leaves have a very pleasant pungency, which gives it the common name "Pepper Grass." The spicy foliage is frilled or curled making it very attractive for salad trimmings. Sow thickly in drills. Pkt. 5c; oz. 15c; ¼ lb. 45c.

ENDIVE

CULTURE

Similar to lettuce. Outer leaves should be tied over the head to bleach. Pkt. 5c; oz. 10c; ¼ lb. 35c postpaid.

BROAD LEAVED BATAVIAN (Escarolle). Has broad, thick leaves which form a large, loose head.

WHITE CURLED. A beautiful variety with curled leaves. For early use.

GREEN CURLED. For fall and winter.

FENNEL

FLORENCE FENNEL. An Italian vegetable with thick leaf stem. Served boiled or sliced, also cooked in soups. Easily grown. Pkt. 5c; oz. 25c postpaid.

EGG PLANT

Pkt. 5c; oz. 60c; ¼ lb. \$1.75, postpaid.

BLACK BEAUTY. Extra early, quick growing, vigorous variety, uniform size. Color deep, blackish purple. Excellent for market.

NEW YORK IMPROVED LARGE PURPLE. Leading market variety. Not quite as early as Black Beauty. Large and productive.

GARLIC

A profitable crop, when the soil is right. Plant in October. Write for cultural instructions and quantity prices. Lb. 30c postpaid.

KALE or BORECOLE

This plant is widely grown for greens. Most varieties have heavy, densely curled foliage of tasty greens, and the dwarf variety is desirable for ornamental garden use. The culture is practically the same as that of late cabbage, but as the plants will withstand several degrees of frost they can grow late into the fall. They are more tasty after the first light frost.

Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25 postpaid.

EMERALD ISLE. Grows to medium height and is exceedingly hardy. Best for greens because of their very fine flavor. Produces new shoots as fast as leaves are used. The leaves are closely curled.

TALL GREEN CURLED SCOTCH. This variety grows about 2 feet high and has splendid dark green, curled and wrinkled leaves. It is very hardy and vigorous grower. Improved greatly after first slight frost.

DWARF GREEN CURLED. Exceptionally fine for ornamental garden use, also good for greens. The leaves are beautifully curled and a brilliant green.

COW KALE or THOUSAND HEADED. The most valuable green feed for Pacific Coast dairymen. It is grown the same as stock cabbage.
Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c postpaid.

HERB SEEDS—For Planting

ANISE. Used as a cordial and for garnishing and flavoring. Seeds have an agreeable aromatic taste.

Pkt. 10c; oz. 35c.

BALM. Leaves are fragrant and are used as a tea for fevers. Pkt. 10c; oz. 50c postpaid.

BASIL (Sweet). The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt. 10c; oz. 50c.

FENNEL (Sweet). The boiled leaves are used in sauces. Pkt. 10c; oz. 30c.

HOREHOUND. Leaves used for seasoning.

Pkt. 10c; oz. 75c.

HYSSOP. Used as a stimulant and a mild tonic.

Pkt. 10c; oz. 75c.

BORAGE. The leaves are used for flavoring and the flowers furnish bee pasture. Pkt. 10c; oz. 50c.

CARAWAY. Grown for the seeds, which are used extensively for flavoring of bread, pastry, etc.

Pkt. 10c; oz. 25c.

CATNIP or CATMINT. The leaves are used for seasoning. It also makes an excellent bee pasture.

Pkt. 10c; oz. \$1.00.

CORIANDER. The seeds are used in the manufacture of liquors and confectionery. Pkt. 10c; oz. 25c.

DILL SEED. For planting.

Pkt. 10c; oz. 20c; ¼ lb. 50c postpaid.

MARJORAM (Sweet). The leaves and the ends of the shoots are esteemed for seasoning in summer and are also dried for winter use. Pkt. 10c; oz. 75c.

ROSEMARY. The aromatic leaves are used for seasoning. Pkt. 10c; oz. \$1.00.

RUE. For medicinal purposes. Pkt. 10c; oz. 50c.

SAGE. The most extensively used of all herbs as a seasoning for dressing. Pkt. 10c; oz. 75c.

SUMMER SAVORY. A hardy annual. The dried stems, leaves and flowers are extensively used for flavoring, particularly in dressings and soups. Pkt. 10c; oz. 75c.

THYME. Used for seasoning. Pkt. 10c; oz. \$1.00.

WORMWOOD. Used medicinally and is beneficial for poultry. Pkt. 10c; oz. 50c.

TRUE LAVENDER. Used chiefly in the manufacture of perfumery. Pkt. 10c; oz. 75c.

HERB SEEDS

For Flavoring and Pickling

ANISE. For flavoring. ¼ lb. 15c; lb. 30c postpaid.

CARAWAY. For flavoring. Oz. 10c; ¼ lb. 20c postpaid.

CELERY. For flavoring. Oz. 10c; ¼ lb. 20c postpaid.

MUSTARD. For flavoring. Lb. 20c postpaid.

PARSLEY. For flavoring. ¼ lb. 10c; 1 lb. 35c postpaid.

POPPY. For flavoring. ¼ lb. 10c; 1 lb. 35c postpaid.

KOHL-RABI SEED

Pkt. 5c; oz. 20c; ¼ lb. 65c postpaid

A very delicious vegetable when cooked like cabbage. The culture of this vegetable is the same as that of cabbage.

EARLY WHITE VIENNA. This is the best table variety and matures very early. If used for table it is the tastiest when the bulbs are 2 inches in diameter. The bulbs are light green with white flesh of excellent quality.

EARLY PURPLE VIENNA. Standard early sort. The plants are small, with dark green leaves spotted with purple. The exterior is purple, but flesh is white.

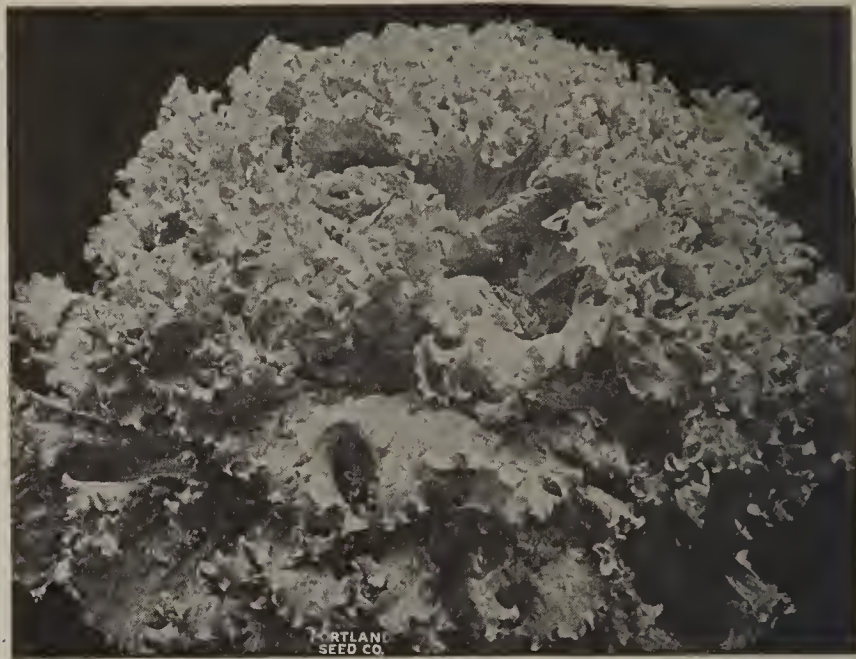
LEEK

AMERICAN FLAG. Used very extensively throughout the entire country. A very strong hardy grower that is very easily cultivated in the home garden. It is broad leaved, with rather short but very thick stems.

Pkt. 5c; oz. 25c; ¼ lb. 75c.

LARGE ROUEN. A very hardy variety with short, thick, well-blanching stems and dark green leaves.

Pkt. 5c; oz. 25c; ¼ lb. 75c.



LETTUCE

This vegetable contains 95% water and is exceedingly healthy as well as tasty. Hardly a meal is complete without lettuce. No vegetable contains more vitamins than a nice crisp, cool head of lettuce.

It is very easily grown and requires very little care. It may be sown most any time of year that soil conditions permit. It should be covered about ½-inch deep and watered frequently. Heading varieties should be spaced about 12 to 14 inches apart, each way.

All varieties of Lettuce—Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25 postpaid.

Head Varieties

PORTLAND SEED CO.'s CRISPETTE. Heads are large, firm, crisp and tender. Bright green, curly leaves cover the outside. Solidity of the heads is insured by the large, white main ribs of leaves which curve toward the center. Withstands hot weather far better than most varieties, and is exceedingly tasty.

NEW YORK or WONDERFUL. The best head lettuce for market gardeners. Its large heads are very solid, tender, crisp and sweet. Beautifully blanching to a creamy white with bright green outer leaves. A very hardy and rapid grower, also, deep rooted.

BROWN DUTCH. This variety forms a large, solid head that is sweet, tender and of fine flavor. The outer leaves are tinged with brown. It is a very hardy and vigorous grower.

HANSON (Improved Hard Heading Stock). One of the very best. The heads are green on the outside and cream colored on the inside. It withstands the hot sun very well, and stays crisp for quite some time.

Loose-Leaf Varieties

GRAND RAPIDS. This variety is the standard hothouse lettuce for forcing. It also does exceedingly well in the open ground. The leaves are light yellowish green, slightly crimped, crisp and tender.

SIMPSON'S EARLY CURLED. Very fine for early planting and forcing. The leaves are finely curled and wrinkled. It is very tasty and crisp and does not wilt readily.

BLACK SEEDED SIMPSON. The leaves form a close, compact mass. Yellowish green color and exceedingly curly. Very easily cultivated.

CHICKEN LETTUCE. Exceptionally fine for chickens or rabbits. Its leaves do not form into heads. Stalks 3 to 4 feet high, loaded with leaves. The plant offers a great many vitamins to the barn yard animals and may be picked off the stems the same as kale.

OTHER VARIETIES OF LETTUCE

Big Boston
May King
Prizehead

Iceberg
New York No. 12
White Paris Co.'s

FERTILIZE FOR BETTER CROPS

Diamond Quality MELONS

WATERMELONS

To grow this tasty fruit it is necessary to allow a great deal of room for spreading vines. If the hills are liberally manured and cultivation is careful and thorough, any home gardener can have these delicious fruits fresh from his own patch. The seed may be planted as soon as the ground is warm and weather conditions permit. The hills should be approximately 6 feet apart each way.

All varieties of watermelons on this page (except as noted) Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00 postpaid.

KLONDIKE. This delicious variety does best in warm climate but can be grown successfully in cooler sections. The rind is a beautiful dark green and exceptionally thin. The interior of the melon is a distinctive flesh color, very brittle and "honey sweet." The melons grow uniform in shape and size and ship very well.

SWEETHEART. A very popular variety with both home and market gardeners. The vines are vigorous and productive. Fruits are large, oval, heavy mottled, dark and bright green, rind thin, flesh bright red, firm, sweet and tender. A very fine shipper.

KLECKLEY'S SWEET or MONTE CRISTO. Distinctly a home garden melon as the dark bluish-green rind is so crisp that it breaks easily. The long, oval fruits are slightly larger near the blossom end. They weigh from 25 to 30 pounds and ripen in a little over one hundred days. For home gardeners we highly recommend this variety.

TOM WATSON. Another southern favorite. A long smooth variety of exceedingly fine quality. The rind is thick and dark green. Deep red interior, crisp and sugary. This variety ships well and can stand much handling and long shipments.

BLACK-SEEDED ICE CREAM. The melon is almost round, with a thin rind of medium green. The inside flesh is pink and exceptionally sweet and fine flavored. This variety matures early and is a fine keeper.

Other Varieties of Watermelon

Rattle Snake.

Stone Mountain.

Irish Grey.

Cole's Early.

Black Seeded Chilean.

MUSKMELONS

These tasty melons are grown much the same as watermelons. The hills should be from 4 to 6 feet apart each way, and the soil should be well fertilized and watered.

All varieties of muskmelons: Pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.50 postpaid.

PORTLAND SEED CO.'S SUGAR ROCK. The fruits are oval, large size, without ribbing and netted in the manner characteristic of these melons and from which they take their name. Matures in about 85 days from sowing seed, in ordinary weather conditions. The flesh is deep and thick, a beautiful orange color, with a sugary delicious flavor that is unexcelled.

HEARTS OF GOLD. A very fine variety that has been exceptionally popular with both market and home gardeners. The rind is firm and densely netted. Rich, fine-grained, orange colored flesh is excellent in flavor. The seed cavity is small and in all the melon is a very fine shipper.

ROCKY FORD POLLOCK 10-25. Very fine for market gardening. The fruits are uniform and heavily netted. The flesh is very sweet and tasty with a salmon-orange tint. Very good shipping and keeping qualities. We highly recommend this variety.

BURREL GEM. The fruits are nearly round, heavy netting and thick, fine-grained flesh of reddish-orange. A perfect melon for home and market gardeners. A very fine flavor and a good shipper.

LARGE YELLOW CANTALOUPE. Very early and productive. Popular with market gardeners because of its early maturity. Rich, tasty, salmon colored flesh and thin strong rind. A small seed cavity.

SMALL GREEN NUTMEG. This is also an early melon that is fine for home and market gardeners. Green flesh that is fine-grained, sweet, rich and tasty. Different than other varieties of muskmelons.

OSAGE or MILLER'S CREAM. The fruits are oval and almost smooth. Thick, sweet, salmon colored flesh that is very tasty. An all-purpose melon. Popular in the eastern melon states.

OTHER VARIETIES OF MUSKMELONS

Early Hackensack.

Hale's Best.

Honey Dew Pink Flesh.

Honey Dew Green Flesh.

Perfecto.

Speer.

Banana.

Persian.

CASABA MELONS

Pkt. 5c; 1 oz. 15c; ¼ lb. 50c; 1 lb. \$1.75 postpaid.

GOLDEN BEAUTY. All that the name implies. A beautiful bright golden yellow, wrinkled skin. The fruits are globular shaped and mature very early. The flesh is white and very thick. Exceedingly tender, rich, juicy and "honey sweet." We offer our customers this variety only, because, after many tests we have found "Golden Beauty" to be the only variety to meet with requirements of "Diamond Quality."



MELONS NEED LOTS OF SUNSHINE



MUSHROOM SPAWN

PURE SPORE WHITE VARIETY
FOR HOME USE OR
MARKET

Our free pamphlet gives general
instructions

NEW AMERICAN SPORE CULTURES. Produced from original spores by a new French process, the only method by which select varieties can be perpetuated and improved. Bricks weight about 20 ounces and will plant 10 square feet. Brick 40c; 5 bricks \$1.75 postpaid.

MUSTARD SEED

(For Planting)

May be sown anytime in the spring, in rows 18 inches apart. When plants are two weeks above the ground thin out as is necessary.

SOUTHERN GIANT CURLED. Very large variety, with fine curled leaves.

Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

FORDHOOK CURLED. Dark green, finely curled, leaves of distinctive flavor. Very fine for salads.

Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

ONIONS

CULTURE

Plant in February or March if soil and weather permit. Cover about ½ inch deep. Thin to about 8 plants per foot.

All varieties of onions on this page (except as noted)
Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$2.25; postpaid.

PORTLAND SEED CO.'S OREGON YELLOW DANVERS.

Bulbs large, half globe, small neck, thin, brownish skin. Flesh firm, fine grained, white, mild. Ripens up hard and early. A good keeper. Best for coast markets.

WHITE "BUNCHING". An attractive "green onion". The young stalks are crisp and mild, attaining a good size before the bulb forms.

AUSTRALIAN BROWN. Globe-shaped bulbs, clear, amber skin. Ripens early. Good keeper. Used largely for growing sets.

YELLOW GLOBE DANVERS. Round or globe-shape variety, thin, yellowish skin, flesh white, fine grained, firm. Good keeper. Ripens early.

YELLOW BERMUDA. Same size as Crystal Wax. Yellow straw color. Slightly better for shipping.

PRIZETAKER. Fine flavor, enormous size, perfect globe shape, bright, straw-colored skin, neck very small and always ripens up hard.

LARGE RED WEATHERSFIELD. Large, flat onions, purplish red. Very productive.

WHITE PORTUGAL. Medium size, flat, pure white. Flesh firm, fine grained. Late ripening. Good keeper. Fine for white sets and pickling onions.

RIVERSIDE SWEET SPANISH. A large, globe-shaped, brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet.

BOTTOM ONION SETS. Small onions grown from seed planted too thick to attain large size. Will produce green onions in short time. Will also produce dry onions earlier than those grown from seed.

Lb. 25c postpaid. Write for quantity prices.

CRYSTAL WAX BERMUDA. Medium size, pure, waxy white. One of mildest sorts grown.

Pkt. 5c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00 postpaid.

WHY NOT GROW MUSHROOMS?

OKRA or GUMBO

Grown for its green pods, which are used in soups, stews, etc., for their rich flavor and substance.

Pkt. 5c; oz. 15c; ¼ lb. 35c postpaid.

IMPROVED DWARF GREEN. Very early, with long, green, slender pods.

WHITE VELVET. Large pods, smooth or very slightly ribbed. Remain tender a long time.

PARSLEY

Pkt. 5c; oz. 15c; ¼ lb. 30c postpaid.

PLAIN. Plain leaves, flat, dark green. Used for flavoring and drying.

TURNIP ROOTED or HAMBURG. Roots used for flavoring soups, stews, etc.

EXTRA DOUBLE CURLED. Dark green, moss-like leaves, finely curled.

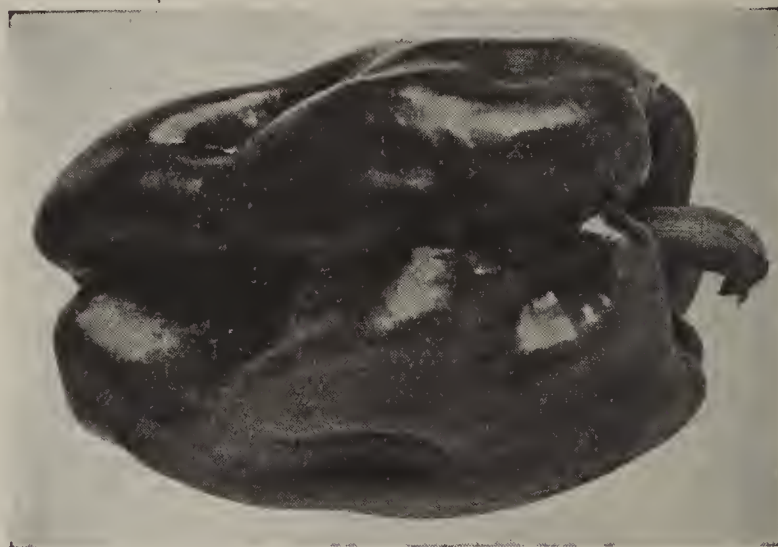
PARSNIPS

CULTURE

Culture same as for carrots. May planting considered best.

HOLLOW CROWN or LONG WHITE. Long, white, smooth, tender, sugary, excellent flavor. Very hardy. Will keep through the winter without protection.

Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 80c postpaid.



CALIFORNIA WONDER

PEPPERS

Continuous warm weather for best results. Seed should be started in hot beds as it is slow in germinating. Set plants in ground when about 2½ inches tall. A moderate dressing of guano, or commercial fertilizer, hoed into the soil after plants are well established, will give better results.

All varieties of Peppers: Pkt. 5c; 1 oz. 60c; ¼ lb. \$1.75, postpaid.

PERFECTION PIMENTO. Unequaled for sweetness. Large, flesh smooth, thick, vigorous grower. Yields heavy. Popular garden variety.

LARGE BELL or BULL NOSE. Large, mild, thick-fleshed variety. Fine for stuffed pickles.

CAYENNE. Pods long, bright red. Very pungent and used with pickles when green.

CHINESE GIANT. A favorite with gardeners. Large, thick flesh and mild. Fine for salads, relishes. Ships well.

RUBY KING. Very large, sweet and mild. Bright scarlet.

CHILI. Pods small and pointed, brilliant scarlet. Very pungent when ripe.

CALIFORNIA WONDER. This pepper is placed above others because of the thickness of its flesh alone. ¾ of an inch thick, crisp and juicy, also, a trace of pungency. A vigorous growing plant that bears very heavily. Unusually good for serving whole.



PEAS

For the best results, peas need a moderate temperature, plenty of sunshine and lots of moisture. Peas may be planted as early in the spring as the condition of the soil will permit. Light frosts do not bother these sturdy vegetables. Seed should be planted in rows at a depth of 1½ to 2 inches. The rows should be 21 to 28 inches apart for dwarf varieties and 28 to 42 inches for the taller varieties.

Varieties growing taller than 2 feet should be staked when about 5 inches tall. The crop should be gathered just as soon as it is fit for table use. If not, new pods will cease to form.

All varieties of Peas: 4 oz. pkt. 10c; ½-lb. 20c; 1 lb. 30c; 10 lbs. \$2.50, postpaid.

Early Varieties

EARLY DWARF GRADUS. This very tender variety is slightly earlier and more dwarf than the regular Gradus. The pods are medium green and rather large. Well-filled with dark green peas of exceptional quality. One of the outstanding early types, being very tasty.

LAXTONIAN. A bit earlier than other dwarf large-podded peas, considered by many as the best of their class. The pods are a blue-green color and rather long. The peas are dark green. We highly recommend this variety for home use.

AMERICAN WONDER. If weather conditions are right you will harvest your first crop in 60 days. The vines grow quite high and staking is necessary. The plump, blunt-ended, straight pods are medium green, containing tasty, brilliant green peas.

LITTLE MARVEL. Dwarf bushy vines that bear exceedingly well and early. The pods are from 2½ to 3 inches long, tightly filled with plump, luscious, deep green peas. A very fine variety for home gardeners because of their sturdy growth and free bearing.

DWARF TELEPHONE or DAISY. This variety is a little later than the earlier types. The vines grow only about 2 feet tall and produce fine, well-filled pods. It is an excellent variety to follow the early peas in the home garden.

ALASKA or EARLIEST OF ALL. Extremely early. The round, well-filled pods, are first ready in about 55 days. The peas are small, round, and tender. Vines are from 2½ to 3 feet tall, and is best to give them support. Excellent flavor.

PREMIUM GEM. A very fine home garden variety. It is ready in 62 days. One of the earliest dwarf varieties with tasty, tender peas. The pods are medium green, 3 inches long, plump, blunt-ended and straight.

Late Varieties

GRADUS or PROSPERITY. Earliness and high quality are combined in this wrinkled pea of medium height. The pods are large well-filled and dark green. The vines grow 2½ to 3 feet high. Excellent quality and flavor. Very popular with market gardeners.

TALL TELEPHONE. A standard market variety. Tall, sturdy vines growing from 4 to 5 feet in height and heavily loaded with very large well-formed pods of light yellowish-green color. The peas are very tender and are a delicate light green.

IMPROVED STRATAGEM. One of the best large-podded varieties. The peas are large, dark green, and very fine quality. Vines are medium height, stocky and very sturdy. This variety is ready in 75 to 80 days. This type is also known as Potlatch or Prizewinner. Very fine for both market and home gardening.

OTHER VARIETIES OF PEAS

Alderman.	Melting Sugar.
Blue Bantam.	Hundredfold.
Champion of England.	Laxton. Progress.
China or Swiss Peas.	Thomas Laxton.
World's Record.	Yorkshire Hero.
Dwarf Grey Sugar.	Duke's Delight.

POTATOES

CERTIFIED SEED

All varieties—10 lbs. \$1.00 postpaid. Write for special low prices on quantities.



Early Rose.
Early Ohio.
Burbank.

P. S. Co.'s Earliest of All
Netted Gems.
Irish Cobbler.

American Wonder.

PUMPKINS

Pumpkins are grown much the same as melons, but are less sensitive to cold weather. They are best after the first light frosts, usually during the months of October and November. Seed should be planted during the early part of May, in hills 6 to 8 feet apart in all directions. Every garden should have a few hills of this truly American vegetable.

All varieties of Pumpkins: Pkt. 5c; 1 oz. 15c; ¼ lb. 30c; 1 lb. \$1.00, postpaid.

LARGE YELLOW or CONNECTICUT FIELD. Large, round. Deep, glossy yellow. Very productive. Good keeper. Grown extensively for stock feeding.

GIANT OF ALL ("King of Mammoths"). Almost a globe in shape. Skin a rich golden yellow, flesh firm, fine grained and deep yellow, sweet flavored, very thick. Excellent quality.

WINTER LUXURY. The best flavored pie pumpkin grown. Excellent keeper. Medium size. Color golden russet, finely netted. Flesh deep golden, sweet, tender and very thick.

SWEET or SUGAR. A productive small pumpkin. Skin orange, flesh deep yellow, fine grained. Very sweet. The famous "New England Pie Pumpkin."

for Early, Crisp Vegetables

feed them this complete,
balanced diet

VIGORO
Complete plant food



USE NITRAGIN FOR BETTER PEAS



EARLY CRIMSON GIANT

RADISHES

This vegetable is probably the easiest grown, and requires less care than any other common vegetable. The ground should be finely prepared and as free of stones as possible. Plant seed $\frac{1}{2}$ -inch deep in rows 12 to 18 inches apart. When up about 1 inch thin 1 to 2 inches apart. A moderate temperature and constant moisture are favorable for best results.

All varieties of Radishes: Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c, postpaid.

CRIMSON GIANT. This is the finest radish for both market and home gardeners. It is sweet, tender, crisp and good-sized. Everything one desires in a radish. They do not become full grown until 2 inches in diameter, but are very good while much smaller. They remain in perfect condition for several days, making them excellent for market. We highly recommend this variety.

FRENCH BREAKFAST or HALF LONG. Very fine for forcing. Excellent for both home and market gardening. Tops small, roots oblong and blunt. Scarlet with white bottoms; flesh white, crisp and sweet. Splendid quality.

EARLY SCARLET GLOBE. Matures very early. A bright carmine-red color. Perfect oval shape and ideal size makes this an excellent radish for market. They reach this size in about 25 or 30 days and are best when not quite full grown. Sweet, crisp and tender flesh of the highest quality.

EARLY SCARLET TURNIP, White Tipped. Turnip shaped roots tipped with white. Flesh white, crisp, tender and sweet. Tops small. Matures very early.

LONG BLACK SPANISH. A hardy radish adapted for winter use. Roots long, thick, almost black. Flesh white, of firm texture and well flavored.

WHITE ICICLE. A popular white radish. Roots long, clear, white, especially mild.

CHINA ROSE WINTER. An excellent winter variety. A favorite with market gardeners. Roots bright rose, flesh white, firm, superior quality.

Other Varieties of Radish

Scarlet Turnip. Sparkler. Chinese Neurima Long.

NAPHTHALENE CONTROLS MAGGOTS

RUTABAGA OR SWEDE

IMPROVED AMERICAN PURPLE TOP. The leading variety. Large, immense yielder. Superior in every way. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

SALSIFY OR VEGETABLE OYSTER

MAMMOTH SANDWICH ISLAND. Roots large, smooth, very hardy. May remain in ground during winter or may be stored in dry earth or sand.

Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

SPINACH

One of the most healthful vegetables grown. Spinach contains a great deal of iron and vitamins. Sow in rows 16 to 20 inches apart and thin to 6 inches apart in rows when leaves are one inch wide. Spinach should be planted in the early spring, as soon as soil conditions are right. Another vegetable every garden should have. For early spring crop sow in the fall.

All varieties of Spinach: Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c, postpaid.

NOBEL GIANT-LEAVED. The largest spinach; leaves are huge, thick, slightly crumpled, pointed with rounded tip; deep green, crisp, tender and delicious. Plants are large, vigorous and spreading. Grows rapidly and remains in prime condition for a long time, being slow to form seed stalks. A very heavy yielder and is excellent for home and market.

IMPROVED THICK LEAF. Believed by many as the finest spinach on the American market today. It is the largest-leaved spinach grown and is exceedingly crisp, tender and tasty. It grows rapidly and remains in good condition a long time, making it fine for market. The medium-green leaves are large, rounded, slightly crumpled, succulent, and tender.

NEW ZEALAND. Thrives in hot weather in any soil. Leaves comparatively broad and pointed. Will grow through the summer.

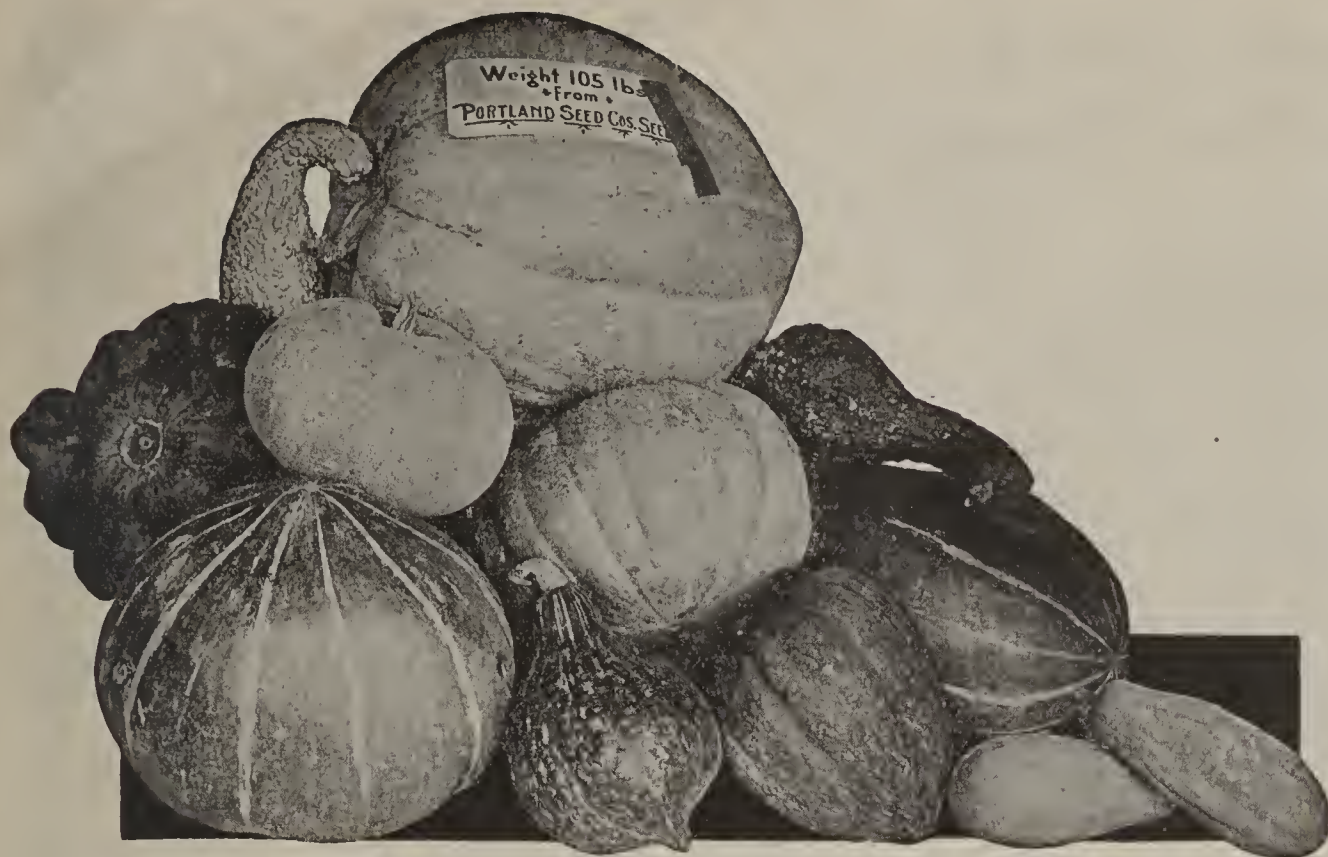
KING OF DENMARK. A valuable early variety. Leaves large, medium dark green, remaining in condition one to two weeks. Fine for the home garden.

PRICKLY WINTER. Hardest variety. Must be sown in the fall. Seed prickly. Leaves long, pointed, thick and succulent.

LONG STANDING. Large, fleshy, savoyed leaves remain in edible condition over a long period. Slow to go to seed.



IMPROVED
THICK
LEAVED.
BEST FOR
MARKET
GARDENERS.



SQUASH CULTURE

Squash culture same as for Pumpkins.

All varieties of Winter Squash, except as noted, pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25 postpaid.

Winter Varieties

- IMPROVED HUBBARD SQUASH.** Large and of warty Hubbard type. Shell dark green, hard, moderately warted. Flesh light orange, very dry and richly flavored. One of the best winter squashes.
- BANANA.** One to two feet long. Flesh firm, orange yellow. Rind smooth, greyish green color. Excellent flavor. Splendid keeping qualities.
- BOSTON MARROW.** Skin yellowish, very thin. Flesh dry and fine grained. Of unsurpassed flavor.
- GOLDEN HUBBARD.** Same in size, shape and quality as the well-known Hubbard squash, except that it is bright red or golden color and somewhat earlier. Good keeper.
- MAMMOTH CHILI.** The largest of all squashes. The rich, fine flavored flesh insures its value for all purposes.
- SIBLEY or PIKE'S PEAK.** Rind smooth, thin, pale green color. Flesh thick, solid, deep orange, dry, delicious flavor.
- TABLE QUEEN.** Small, dark, green, acorn shape. Flesh rich yellow, dry, richly flavored. Medium early. A good keeper. Easy to grow.
- WARTY HUBBARD.** Round, with elongated ends, dark green, hard, deeply warted shell. Flesh bright orange yellow. Thick, dry and rich. Excellent winter squash.

Summer Varieties

All varieties of Summer Squash (except as noted) pkt 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25 postpaid.

- COCOZELLE or ITALIAN MARROW.** Skin dark green, becoming marbled with yellow at maturity. Flesh pale green, thick, firm and tender. Best when 5 to 6 inches long.
- EARLY SUMMER CROOKNECK.** Earlier and larger than ordinary crookneck. Skin yellow, thin, hard and warty. Flesh tender and of good quality.
- WHITE BUSH SCALLOP.** Early, medium size, somewhat flattened, creamy white skin. Flesh milk white, firm, richly flavored.

USE EVERGREEN SPRAY

Sure death to plant insects—
Harmless to man, birds and
animals.

A sure killer of most plant insects—and yet offers no poison whatever to human beings, livestock or birds—it is positively not a poison. The active principle is Pyrethrum, or insect flowers, which has this valuable property of being deadly to nearly all insects.

1 oz. 35c; 6 oz. \$1.00; 16 oz. \$2.00, f. o. b. Portland.

TURNIPS

Sow seed early in the spring in rows ½ to 1½ feet apart. This is for a summer crop. Plant seed ½-inch deep and press soil down firmly. In sections infested by flea-beetles it is advisable to dust young seedlings with tobacco dust. When plants are an inch tall thinning should be done the same as for beets. For fall and winter use seed should be sown during August.

All varieties of Turnips: Pkt. 5c; 1 oz. 15c; ¼ lb. 25c; 1 lb. 75c postpaid.

- EARLY FLAT WHITE DUTCH.** Small, erect tops. Roots flat. Flesh white, firm, tender and sweet. Makes quick growth.
- EARLY WHITE MILAN.** Same as Purple Top only roots are pure white.
- EARLY SNOWBALL.** Matures very early. Roots round, snowy white, crisp, fine flavor.
- GOLDEN BALL.** Medium size, round, yellow. Flesh firm, hard, most excellent flavor. Keeps well. A fine table variety.
- EARLY PURPLE TOP MILAN.** Among the earliest. Small, erect top. Roots purple above, white below. Flesh white and firm.
- PURPLE TOP STRAP LEAF.** An early variety. Roots medium size, flat, purple above the ground, white below. Flesh white, firm but tender. May be used for table or stock feeding.

MAIN CROP TURNIPS

- POMERANIAN WHITE GLOBE.** Standard variety. Perfect globe shape, skin white, smooth. Has unusual long feeding period before becoming pithy. Yields heavy.
- PURPLE TOP WHITE GLOBE.** Large, globe shape. Purple on top, white below. Excellent quality. Recommended for family garden and field crop.
- YELLOW ABERDEEN.** Medium size, round, light yellow. Very productive, hardy. Flesh firm, tender and sweet. A favorite with dairymen.
- COWHORN.** Large, long, white roots, growing half out of the ground. One of the best stock turnips.
- WHITE EGG.** Smooth, pure white. Grows half out of the ground. Choice for table use. Flavor sweet and mild.
- BORTFIELD.** The easiest harvested root crop. A good keeper; will keep through the average winter in the field. Due to thick skin, is quite resistant to worm injury. A very heavy yielder.

Diamond Quality Seeds Produce Bountiful Crops



TOMATOES

Sow seed first in flats or hot bed during the months of February or March. The young seedling may be transplanted to the open ground as soon as any danger of frost is past. Tomatoes require rather long warm summers for best results. Diamond Quality Tomato Seed is the finest strain to be found.

All varieties of tomato seed (except as noted): Pkt. 5c; 1 oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.75, postpaid.

PRITCHARD. Newest to be introduced by U. S. Dept. of Agriculture. Strongest disease resisting tomato. No core, small seed pockets and evenly colored throughout.

MARIGLOBE. Very resistant to disease. Fruits large, globe shape, deep red, finest quality. Excellent for slicing and canning.

DWARF CHAMPION. Vine dwarf or tree type. Fruits purplish pink, smooth. Pkt. 5c; oz. 40c; ¼-lb. \$1.40; 1 lb. \$5.00.

SPARK'S EARLIANA. One of the earliest scarlet fruited varieties. Medium size, almost seedless and solid. Vine open and spreading. A heavy bearer. Succeeds everywhere.

BONNY BEST. Early, hardy, scarlet fruited variety. Medium size, solid, smooth, quite round. Very productive. Quality excellent.

CHALK'S EARLY JEWEL. Fruits large, bright red, round, smooth, solid, almost seedless. Recommended for market or home garden.

BURBANK. Fruits bright crimson, smooth, firm, with few seeds. Keeps well and a good shipper. Ripens early.

JOHN BAER. Brilliant round fruits, high crown, smooth, delicious flavor, easily peeled. Yields heavy. Keeps well and a good shipper.

STONE. Popular with canners and gardeners. Scarlet fruited, solid, perfect shape, carrying qualities remarkable.

GOLDEN QUEEN. Large, smooth, pure yellow, mild flavor. Pkt. 5c; oz. 50c; ¼-lb. \$1.65; 1 lb. \$6.00.

YELLOW PAIR. Small, yellow fruits. Pear shape, solid, very hardy. Fine for preserving. Pkt. 5c; oz. 50c; ¼-lb. \$1.65; 1 lb. \$6.00.

YELLOW PLUM. Small plum-shaped, deep yellow skin and flesh. For preserving. Pkt. 5c; oz. 50c; ¼-lb. \$1.65; 1 lb. \$6.00.

GROUND CHERRY. Fruits small, yellow, enclosed in loose paper husks. Very much prized for preserving. Pkt. 5c; oz. 50c; ¼-lb. \$1.65; 1 lb. \$6.00.

BREAK O' DAY. Wilt resistant. Vines vigorous open growth and very productive. Fruits scarlet medium to large size true globe shape. Slightly earlier than Mariglobe, an excellent variety for the market and home garden. Pkt. 5c; oz. 40c; ¼-lb. \$1.40; 1 lb. \$5.00.

TOMATO PLANTS ON PAGE 17

VIGORO

Specially prepared plant food

For Beautiful Lawns and Gardens

USE Diamond Quality seed, bulbs, and plants, and feed them regularly with Vigoro, the complete plant food. Vigoro contains the right amount of each food element necessary to produce rich green, velvety lawns; large, colorful flowers; healthy, full-foliaged shrubs and trees; and early, delicious vegetables.

Clean, odorless, economical. Vigoro is easy to use. Just follow the simple directions in each bag or package. We recommend that you get enough for everything you grow.

1-lb. pkg. 10c.
5-lb. pkg. 45c.
10-lb. pkg. 85c.
25 lbs. \$1.50.
50 lbs. \$2.50.
100 lbs. \$4.00.

Prices
f. o. b.
Portland



RED STEER

FERTILIZER

Red Steer Fertilizers have been the standard for many years, and have consistently proven their value in producing profitable yields. America's most popular fertilizer for large scale production.

Prices f. o. b. Portland and subject to market change without notice.

TANKAGE No. 1 6/10/0. 100 lbs. \$2.40.

BLOOD MEAL 13/0/0. 100 lbs. \$3.50.

RAW BONE MEAL 4/15/0. 100 lbs. \$2.40.

STEAM BONE MEAL 2/14/0. 100 lbs. \$2.40.

NITRATE OF SODA 15/0/0. 100 lbs. \$2.95.

SUPERPHOSPHATE 0/18½/0. 100 lbs. \$1.50.

SULPHATE OF AMMONIA 10/6/0/0. 100 lbs. \$2.70.

NITRATE OF POTASH 0/0/50. 100 lbs. \$2.60.

SULPHATE OF POTASH 0/0/50. 100 lbs. \$3.50.

RED STEER 3/10/10. 100 lbs. \$2.40.

RED STEER 5/6/8. 100 lbs. \$2.55.

RED STEER 3/10/7. 100 lbs. \$2.30.

DIAMOND SAFFRON REFINED SULPHUR. 100 lbs. \$3.90.

AMMONIATED PHOSPHATE 16/20/0. 100 lbs. \$3.00.

AMMONIATED PHOSPHATE 10/48/0. 100 lbs. \$4.00.

FISH MEAL. 100 lbs. \$2.50.

LAND PLASTER. 100 lbs. \$1.00.

NITRATE OF SODA. 100 lbs. \$2.95.

MURIATE OF POTASH. 100 lbs. \$2.50.

SHEEP GUANO, GROZIT. Sack \$1.25.

SHEEP GUANO, Standard. 100 lbs. \$1.00.

CALCIUM NITRATE. 100 lbs. \$2.60.

PEAT MOSS, SWEDISH. Bale \$2.25.



DIAMOND QUALITY GRASS SEEDS

ENJOY THE PLEASURES OF LOVELY LAWNS AND GARDENS IN 1936

Our seeds are of the choicest new crops. They are re-cleaned and double tested in our seed laboratory for purity and germination. Prices are postpaid to the fourth zone only.

DIAMOND FANCY LAWN MIXTURE. Scientifically blended from the choicest grass seeds, carefully selected for their fineness, their deep rooting, close growing habits and seasonable qualities. Producing a dense velvety turf that stays green throughout the year. Sow one pound to two hundred square feet.

1 lb. 55c; 10 lbs. \$5.00 postpaid.

DIAMOND FANCY LAWN MIXTURE with CREEPING Bent. This mixture has sufficient Creeping Bent to eventually dominate the lawn and crowd out the weeds, at the same time giving a fine, velvety turf. Sow one pound to two hundred square feet.

1 lb. 65c; 10 lbs. \$6.00 postpaid.

DIAMOND SHADY LAWN MIXTURE. Especially selected for producing a fine, velvety lawn under firs and shade trees where most grasses do not thrive.

1 lb. 65c; 10 lbs. \$6.00 postpaid.

BLUE GRASS, KENTUCKY (Poa Pratensis). One of the best grasses for permanent pastures, furnishing a constant supply of feed during the greater part of the year. Lawns, 1 pound to 200 square feet. Pasture, 25 pounds per acre. 1 lb. 50c; 10 lbs. \$4.50 postpaid.

ASTORIANA CREEPING BENT GRASS. This is one of the most popular Bents, because it is a true type and not a mixture. It requires less moisture and does well on higher, drier ground and will stand severe cold winters much better than other Bents. It has a beautiful, pleasing green and a fine, velvety texture, forming a matted turf and one that will stand much hard wear. It forms a permanent lawn and improves with age. One pound to 300 square feet.

1 lb. \$1.00; 10 lbs. \$9.50 postpaid.

PACIFIC CREEPING BENT GRASS. Grown on this coast, acclimated to this country and especially recommended for golf courses. It makes an exceptionally fine turf that smothers out weeds.

1 lb. 90c; 10 lbs. \$8.50 postpaid.

BROMUS INERMIS (Awnless Brome Grass). The best grass we have for the semi-arid regions of the Northwest. Grows luxuriantly, is freely eaten dry or green by cattle. Sow 25 to 30 pounds per acre. Spring or fall. Lb. 35c; 10 lbs. \$3.00 postpaid.

FESCUE, CHEWING (Festuca Duriuscula). A low-growing grass, fine leaved, forms a close turf that prevents ingress of weeds. Permanent in all kinds of soils. Unexcelled for lawns and golf courses. Lawns, 1 pound to 200 square feet. Pasturage, 30 pounds per acre.

1 lb. 75c; 10 lbs. \$7.00 postpaid.

FESCUE, MEADOW (Festuca pratensis). Perennial. Grows 3 to 4 feet high. Roots deep, thus resisting drouth. It succeeds on any ordinary soil. Yields a heavy crop of superior hay. One of the best grasses for pastures, being valuable to mix with other kinds. Pasture, 30 to 40 pounds per acre.

1 lb. 35c; 10 lbs. \$3.00 postpaid.

MESQUITE (Holcus lanatus). Usually sown on virgin soil without cultivation, after ground is burned over. Pasture, 20 to 30 pounds per acre.

Fancy hulled seed, lb. 30c; 10 lbs. \$2.50 postpaid.

OAT GRASS, TALL MEADOW. The earliest grass to start in the spring and the last to die in the fall. Withstands drouth, heat and cold much better than other grasses. A long-lived, deep-rooted perennial. Grows equally on bottom or upland. Pasture, 20 to 30 pounds per acre. 1 lb. 35c; 10 lbs. \$3.00 postpaid.

ORCHARD GRASS (Dactylis Glomerata). One of the most valuable of all the cultivated grasses. As a pasture grass it is more productive than any other, and does best under close feeding. Sow 28 pounds per acre.

1 lb. 35c; 10 lbs. \$3.00 postpaid.

RED TOP (Agrostis Palustris). A good perennial grass for permanent lawns and pastures. Does best on moist, marshy land, if not overflow land. Sow seed 14 pounds to the acre. Lawns, 1 pound to 200 square feet.

1 lb. 35c; 10 lbs. \$3.00 postpaid.

ROUGH STALK MEADOW GRASS. For shady lawns or wood pastures. An excellent grass. Sow 1 pound to 200 square feet for lawns.

1 lb. 55c; 10 lbs. \$5.00 postpaid.

RYE GRASS, ENGLISH (Lolium perenne). A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. Pasture, 30 pounds per acre.

1 lb. 25c; 10 lbs. \$2.00 postpaid.

RYE GRASS (Pacey's Short Seeded English). Sown thickly, it makes a fine lawn very quickly. Used extensively for polo grounds on account of its tough, heavy sod. Sow 1 pound to 200 square feet for lawns.

1 lb. 30c; 10 lbs. \$2.50 postpaid.

CRESTED WHEAT GRASS. 1 lb. 65c; 10 lbs. \$6, postpaid.

RYE GRASS, ITALIAN (Lolium Italicum). Very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage. Pasture, 30 pounds per acre.

1 lb. 20c; 10 lbs. \$1.50 postpaid.

LAWNS NEED GOOD FERTILIZER

RYE GRASS, OREGON. The finest rye grass grown, far superior to imported. Pasture, 30 pounds per acre. 1 lb. 20c; 10 lbs. \$1.50 postpaid.

TIMOTHY (Phleum pratense). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Pasture, 8 to 12 pounds per acre. 1 lb. 20c; 10 lbs. \$1.75 postpaid.

PASTURE MIXTURE OF GRASS

Write for prices on special pasture mixtures. Postpaid prices are to fourth zone only. Beyond that, include additional postage.

No. 16—LOWLAND PASTURE MIXTURE. This mixture is for continuous pasture on low, moist ground. 10 lbs. \$1.75 postpaid. Write for 100 lb. prices.

No. 17—UPLAND PASTURE MIXTURE. A mixture of grasses well known for their drouth resistance and deep rooting qualities. 10 lbs. \$1.75 postpaid. Write for 100 lb. prices.

MIXTURE FOR BURNED-OVER LAND. A blend of grasses for sowing on burns and logged-off lands. Splendid value and very economical for such purposes. 10 lbs. \$1.50 postpaid. Write for 100 lb. prices.

CLOVERS

Postage prices are to fourth zone only. Add extra postage if beyond. Clover prices subject to market changes.

LADINO WHITE CLOVER. Is a very large form of clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Makes especially vigorous growth on the lower, medium heavy types of soils in Western Oregon, under irrigation or natural moisture during growing season. Grown for hay, pasture and seed. Will carry twice as much stock per acre as blue grass. Sow 4 to 6 pounds per acre. 1 lb. 90c; 10 lbs. \$8.50 postpaid.

YELLOW SWEET CLOVER, BIENNIAL (Melilotus Officinalis). In great demand on account of its earliness, being about two weeks earlier than the white. Does not grow as tall as white, but makes just as good pasture. Produces high quality hay. Lb. 30c; 10 lbs. \$2.50 postpaid. Write for quantity prices.

YELLOW SWEET CLOVER, ANNUAL (Melilotus Indica). Now recognized as the legume best adapted for green manuring in orchards because it may be planted later in the fall after all crops have been harvested, and will grow all winter with only the season's rainfall. 1 lb. 30c; 10 lbs. \$2.50 postpaid. Write for quantity prices.

WHITE SWEET or BOKHARA CLOVER, BIENNIAL (Melilotus Alba). Excellent for pasture, hay and a soil improver. More drouth resistant than alfalfa and will generally produce a large crop of seed and hay the second year. Thrives best on alkali soil. Lb. 30c; 10 lbs. \$2.50 postpaid. Write for quantity prices.

HUBAM SWEET CLOVER, ANNUAL. An annual white blossom sweet clover, very similar to Melilotus Alba. Rapid growing. Makes an ideal crop for turning under or soiling in orchards. Good stock pasture. Seed 20 pounds per acre. Lb. 50c; 10 lbs. \$4.50 postpaid. Write for quantity prices.

CRIMSON or SCARLET CLOVER (Trifolium Incarnatum.) Highly recommended for pasture and fertilizing purposes. A thrifty annual. Germinates quickly, grows rapidly, stools abundantly. 1 lb. 25c; 10 lbs. \$2.00 postpaid. Write for quantity prices.

MAMMOTH RED CLOVER. Grows very large and is used almost exclusively for plowing under for manure. Lb. 40c; 10 lbs. \$3.50 postpaid. Write for quantity prices.

RED CLOVER (Trifolium Pratense). The standard clover for all purposes. Hardy. Succeeds well on any good soil. Makes superior hay. 1 lb. 30c; 10 lbs. \$2.50 postpaid. Write for quantity prices.

ALSIKE or SWEDISH CLOVER (Trifolium Hybridum). A perfectly hardy perennial. Excellent for hay and pasture. Resists both drouth and excessive moisture. Lb. 40c; 10 lbs. \$3.50 postpaid. Write for quantity prices.

WHITE DUTCH CLOVER (Trifolium Repens). Superior for pasture. Makes a beautiful lawn when mixed with blue grass. 1 lb. 55c; 10 lbs. \$5.00 postpaid.

ALFALFA SEED

DRY LAND ALFALFA. Recommended for the high, dry lands. 10 lbs. \$3.00 postpaid. Write for quantity prices.

ALFALFA, DIAMOND FANCY. Does exceptionally well where growing conditions are normal, including irrigated lands. 10 lbs. \$3.00 postpaid. Write for quantity prices.

GRIMM ALFALFA (Certified). The hardiest alfalfa known. Its value has been demonstrated beyond question. 10 lbs. \$4.00 postpaid. Write for quantity prices.

SEED FLAX

10 lbs. \$1.75 postpaid. Write for quantity prices.

BARLEY

SUCCESS BEARDLESS BARLEY. Straw about height of common barley. Stands up better than other varieties. Contains no beard. Write for prices.

TREBI BARLEY. A blue, six-row barley, suited to short growing season. Write for prices.

WHITE HULLESS or BALD BARLEY (Beardless). An early spring variety. When threshed is hulless like wheat. Write for prices.

HANNCHEN BARLEY. Heavy yielding, medium early, white, two-row, bearded type. Write for prices.

BUCKWHEAT

10 lbs. \$1.75 postpaid. Write for quantity prices.

SILVER HULL. Light gray color, thin husk, matures early. Heavy yielder.

JAPANESE. Grains large, dark brown, very thin hull. Matures early. Yields heavy.

MILLETS

10 lbs. \$1.75 postpaid. Write for quantity prices.

JAPANESE BARNYARD MILLET. This millet is exceedingly palatable and is the best of summer green feeds for the cool coast sections.

Other varieties of Millets we can supply:

GERMAN or GOLDEN. BROOM CORN. EARLY FORTUNE.

SEED OATS

ECLIPSE SIDE OATS. Medium late. Heads large, well filled, kernels plump and heavy. Write for prices.

CLIMAX TREE OATS. Medium early, producing large, white kernels, rather thin hulls. Write for prices.

WHITE SEED OATS. Selected, recleaned stock. Write for prices.

WHITE SIDE OATS. Selected, recleaned stock. Write for prices.

SWEDISH RED OATS. Tree oat. Soft hull. Fine strain. Ideal for hay. Write for prices.

GRAY WINTER OATS. Used as fall or winter. May be sown in the spring for hay in coast sections. 10 lbs. \$1.50 postpaid. Write for quantity prices.

SUDAN GRASS. An excellent drouth resisting forage plant. All stock relish it.

WRITE FOR QUANTITY PRICES

SEED RYE

COMMON RYE. Choice, re-cleaned seed. Write for prices.

RAPE

DWARF ESSEX RAPE. One of the best forage plants, producing immense quantities of green feed when grass and other crops are dried up. Excellent pasture for all stock.

10 lbs. \$1.50 postpaid. Write for quantity prices.

VETCH

HUNGARIAN. Finer stemmed and leafier than most forage vetches. Suitable to various types of soils. Very resistant to aphid attacks. Write for prices.

PURPLE (*Vicia Atropurga*). Used as cover crop in orchards. Can also be used as a hay or silage crop. Write for prices.

COMMON VETCH. An excellent hay, green feed, pasture or silage vetch. Write for prices.

HAIRY VETCH (*Vicia Villosa*). Thrives on poor, arid, sandy soils. Write for prices.

AUSTRIAN WINTER FIELD PEAS. A popular variety for forage, either hay or silage. Excellent cover crop. Write for prices.

FIELD PEAS. We can supply the Canadian or the Blue Bell varieties. Write for prices.

SEED WHEAT

SEED WHEAT. We have the following varieties of selected, re-cleaned seed: Jenkins Club, White Winter, White Holland, Blue Stem, Red Russian. Write for White Holland, Red Russian. Write for prices.

EVERGREEN CHEAT (*Bromus Secalinus*). Does well on low or moist soil. Will stand considerable overflow. Cut for hay before it gets too ripe. Write for prices.

SUNFLOWER

MAMMOTH RUSSIAN. The largest and most productive variety.

Lb. 25c; 10 lbs. \$1.65 postpaid. Write for quantity prices.

SPELT or EMMER

EMMER. Thrives well on poor soil. Produces heavy yields of grain and hay. Sow in spring. Write for prices.

NAPHTHALENE

Prevents and Repels Most Soil Pests Such as Cut Worms, Slugs, Centipedes, Aphids, Ants, Beetles, Wire Worms and Other Insects.

FOR BETTER CROPS

SEMESAN

For Flower and Vegetable Seeds

Applied in dust or liquid form to the seed before planting. One ounce treats 15 lbs. of seed. Poison; not mailable. 2 oz. 50c; 1 lb. \$2.50; 5 lb. \$11.75; 25 lb. \$46.25.

IMPROVED SEMESAN, JR.

For Sweet and Field Corn

Especially effective in controlling infections of Diplodia, Gibberella and Basisporium. Poison; not mailable.

4 oz. 35c; 1 lb. \$1.00; 5 lbs. \$4.75; 25 lbs. \$23.25; 100 lbs. \$90.00. All prices f. o. b. Portland.

NEW IMPROVED SEMESAN BEL

For Seed White and Sweet Potatoes

Simply mix, dip, drain, dry and your seed potatoes are ready for planting. Used on either whole or cut seed pieces. Controls scab, rhizoctonia and black leg. One pound treats 70 to 80 bushels.

4 oz. 50c; 1 lb. \$1.65; 5 lbs. \$7.00; 25 lbs. \$31.25; 100 lbs. \$120.00. All prices f. o. b. Portland.

NEW IMPROVED CERESAN

For Seed Treatment of Small Grains

Effective in controlling bunt or stinking smut or wheat; stripe disease of barley; loose and covered smuts of barley and oats and covered kernel smut of sorghum. 1 lb. will treat 32 bushels of wheat, rye or sorghum and oats. Poison; not mailable. 1 lb. 75c; 5 lbs. \$3.00.

for bigger and better legume crops

inoculate
with



The Original Legume Inoculator

- Established in 1898
- Always Fresh—High Count
- Moist-Soil Culture—Approved
- Easy to Apply—Dependable.



NEW LOW PRICES

..Will NOW Inoculate

1 lb. Alfalfa
or Clover Seed — Costs
even LESS for Soy Beans,
Cow Peas, Lespedeza, Vetch,
Peas or Beans



Not Inoculated Inoculated with "NITRAGIN"

- NITRAGIN INOCULATION PRICES •
- When Ordering Always Specify Name of Seed

Alfalfa, all Clovers
Size Retail
1/2 bu. ea. \$.35
1 bu. ea.60
2 1/2 bu. ea. 1.25

Vetch, Austrian Peas,
Canadian Peas, Beans
Size Retail
1/2 bu. ea. \$.30
1 bu. ea.45
*1 1/2 bu. ea.70
5 bu. ea. 2.00

*"100 lb. size." Packed
only for Vetch and Peas.

LESPEDEZA
Unhulled or Hulled
Size Retail
1 bu. ea. \$.35
2 bu. ea.60
5 bu. ea. 1.25

Soy Beans, Cow
Peas, Lima Beans

Size Retail
1 bu. ea. \$.35
2 bu. ea.60
5 bu. ea. 1.25
10 bu. ea. 2.00
*25 bu. ea. 3.75
*"25 bu. size." Packed
only for Soy Beans, Cow
Peas.

Garden Size
NITRAGIN for
Garden Peas, Beans,
Sweet Peas, Lima
Beans and Lupines
Inoculates from 1 oz. to
8 lbs. seed.
Retail Price...25c each

Oldest and Most Widely Used Inoculator in America

SPRAYING

ACME

MATERIALS

ALL PRICES F.O.B. PORTLAND

ACME APHIS SPRAY. Combines the two oldest and finest contact sprays, "Black Leaf 40" and Fish Oil Soap. Packed in a convenient 3-oz. tube. No messy mixing! Just squeeze into a sprayer, add sufficient water, shake well, then spray. Poison. 3-oz. tube 35c; 12-oz. tin 95c; 2½-lb. tin \$2.25.



ACME ALL-ROUND SPRAY. Contains Arsenate of Lead for leaf-eating pests, "Black Leaf 40" for suckling insects and Bordeaux Mixture to prevent blight and fungus. One spray for all purposes! ¼-lb. tin 35c; 1-lb. tin 80c.

ACME LIME SULFUR. Standard 33° Baume Lime and sulphur solution, converted into dry powder form. Having all the effectiveness of the liquid product, when mixed in water. Excellent for fruit tree scale. Poison. 1-lb. can 30c; 5-lb. can \$1.25; 10-lb. can \$2.25.

ACME CALCIUM ARSENATE. A very economical potato spray. Contains less than 40% arsenic oxide and not more than ¾% water soluble arsenic oxide. Poison. ½-lb. carton 15c; 1-lb. carton 25c; 4-lb. bag 60c.

ACME BORDEAUX MIXTURE. Prevents blight, rot, mildew, scab, anthranose and certain other fungous diseases. It can be used either dry or in a liquid spray with full assurance of its being completely combined to avoid damage. 1-lb. carton 30c; 4-lb. bag 65c.



ACME GARDEN GUARD. A sensational new insecticide that controls all common types of garden insects and is non-poisonous. This exceptionally fine "killer" contains Rotenone, the latest discovery for insect control. We highly recommend this dust to all home gardeners because of its all-around use and effectiveness. Sifter top can. 1-lb. can 35c.



ACME ARSENATE OF LEAD. For fruit tree spraying and protection of gardens and ornamentals, from chewing insects. Sticks well to the foliage and does not burn. Poison. ½-lb. carton 20c; 1-lb. carton 30c; 4-lb. bag 75c.

ACME M-S-R DUSTING SULPHUR. Recommended by all authorities for the control of black spot, mildew on roses and many other plant diseases. Contains bentonite to keep it from lumping and balling, assuring maximum results. 3-lb. carton 40c.

ACME BAIT-M. A bait to combat such insects as snails, cutworms, sow bugs and grasshoppers which appear in large numbers at certain seasons, migrating along the ground. Never apply directly on the plant. 1-lb. carton 20c; 3-lb. carton 45c.

ACME PARIS GREEN. Scientifically made from finest raw materials, producing a dust outstanding in color, strength and physical properties. Contains 55% arsenous oxide. Poison. ¼-lb. carton 15c; 1-lb. carton 50c; 5-lb. carton \$2.25.



INSECTICIDES ARE AVAILABLE.

MANGANAR ROSE DUST. Controls black spot, brown canker, mildew, rusts, etc. Kills and prevents leaf-eating insects—rose slugs, leaf rollers, etc. Suckling insects—aphids, leaf hoppers, etc. Does not contain calcium arsenate or lime-sulphur. 1-lb. carton 40c; 5-lb. carton \$1.65

GOLD LEAF TOBACCO POWDER. 2-lb. pkg. 35c; 10-lb. pkg. \$1.00; 100-lb. pkg. \$7.50.

BLUE STONE (Blue Vitriol). 1-lb. bag 10c. Write for prices of larger quantities. (Not mailable.)

DUTOX. A non-arsenical insecticide. Kills beetles, weevils, and leaf-eating insects. Excellent for vegetables, fruit, tobacco, etc. Especially fine for apples. 1-lb. bag 30c; 5-lb. bag \$1.60.

TREE TANGLEFOOT. For caterpillars, moths and worms. Protects trees against all climbing insects. Can be used with absolute safety with no possible injury to tree. 6-oz. can 25c; 1-lb. can 60c; 5-lb. can \$2.50. Write for prices of larger quantities.

BLACK LEAF 40. Destroys aphids, thrips, leaf hoppers on all tree, bush and vine fruits, vegetables, field crops and flowers. 1-oz. bottle (6 gals. of spray) 35c; 5-oz. bottle 30 gals. of spray) \$1.00; 1-lb. bottle (80-240 gals.) \$2.25. Write for prices of larger quantities.

NAPHTHALENE. Drives away grubs, wire worms, slugs, centipedes, aphids, etc. Used in treating the soil for insect pests. 1-lb. tin 25c; 5-lb. tin 75c; 10-lb. tin \$1.25. Write for prices of larger quantities.

EVERGREEN. This improved spray simplifies insect control for home gardeners. Takes care of 95% of the insect troubles. Twenty per cent stronger in pyrethrum (the killer among insects). Non-poisonous. 1-oz. bottle (6 gals. spray) 25c; 6-oz. can \$1.00; 16-oz. can \$2.00.

SNAROL. Rid your garden of cutworms, snails, slugs, earwigs and grasshoppers. Snarol is a ready prepared meal, easy and inexpensive to use and does the work quickly and surely. 1½-lb. carton 25c; 4-lb. carton 60c; 15-lb. bag \$1.95. Write for prices of larger quantities.

ACME SPRAYING GUIDE

Consistent of
Acme White Lead and Color Works
Chicago, Illinois

WHEN AND WHAT TO SPRAY

Write for this Fine Guide Free

ALL PRICES F.O.B. PORTLAND

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ALL PRICES F.O.B. PORTLAND

Hudson Spray Pumps and Dusters

No. 125-G—ECONOMY, GALVANIZED, 3¾-GAL. 7¼ in. diameter, 20 in. height. Quick, high-pressure, Nu-eez funnel top, unit-built, air-pak pump, triple-safe riveted, beaded, soldered tank, adjustable aphid nozzle. Successful in gardens, orchards and vineyards, painting, sprinkling, insecticide applications getting on under leaves. Compressed air. \$5.75.

No. 125-BF—SAME AS ABOVE—COPPER; BEST FOR CORROSIVE SOLUTIONS. \$8.50.



No. 140-GF—JR. GALV., 2½-Gal. 6¼ in. diameter; 18 in. height; best for small capacity, high-pressure spraying. Light weight, stands hard service. All improvements of higher priced and larger sprayers. Compressed air. 24 in. hose; extends to bottom of tank, discharges all liquid. \$5.00.

No. 140-BF—SAME AS ABOVE. COPPER; BEST FOR CORROSIVE SOLUTIONS. \$7.75.



No. 120-G—THRIFTY, 2¼ Gal. GALVANIZED. 6½ in. diameter; 17 in. high; handles all solutions; Disc type nozzle provides any spray from fog to solid stream. Best for small home owner or gardener. All parts readily accessible. Compressed air. \$4.25.

No. 135-GF—3½ GAL. \$4.50.

No. 138-G—CLIPPER, 1½ Gal. GALV. HAND SPRAYER. 6½ in. diameter; 12 in. height; ideal for work requiring large capacity and higher pressure, in small homes, truck farms, etc. Handles insecticides, disinfectants, deodorants, etc. Compressed air. \$4.50.



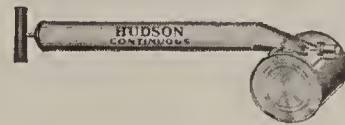
No. 437—CAPITAL HAND SPRAYER, 3 QTS. GALV. 5½ in. diameter; 6¾ in. long; large screw top. Nozzle mixes air with liquid in correct proportions. Suited to oil base liquids for buildings, etc. Automatic shut-off valve, finger controlled; no waste. Good for Flyoil disinfectants, floor oils, etc. All advantages of compressed air with easy operation of continuous types. Pump 1½ in., 15 in. long. \$2.40.

No. 147-G — DU-MORE, 4 GALLON GALV. HAND SPRAYER. Form fitting, carried in any position. Sprays every drop without removing from position; operator can move and direct spray where most effective. Has lever operated pump, one hand free to handle discharge. Finger tip control shuts off or opens. \$14.50.



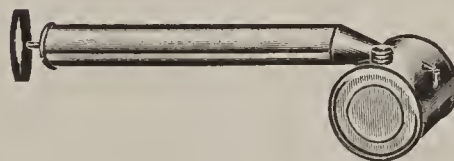
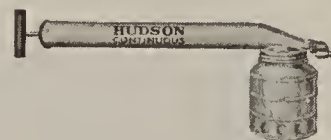
No. 147-B—DU-MORE, 4 GAL. COPPER HAND SPRAYER. Same as above. \$19.50.

No. 435-NS—CARDINAL HAND SPRAYER, 3-QUART, GALV. 5½ in. diameter; 6¾ in. long; Pump 1½ in.-13 in. Handles fly oils, insecticides, deodorants, etc. Adjustable nozzle (double) adapts this for all classes of work and densities of solution. Sprays ahead or upward. Locking nut insures nozzle remaining in position. Well balanced. \$1.60 each.



No. 432—CONTINUOUS, 1 QUART HAND SPRAYER. Pump 1½ in. diameter; 14 in. long; tank 4 in. diameter; 4 in. long. Brass syphon tube, adjustable dual nozzle. Handles solutions free from sediment such as disinfectants, deodorants, insecticides, etc. Finely divided, continuous spray. Sprays up or ahead. 85c.

No. 427-G—CRITIC CONTINUOUS, 24-OZ. HAND SPRAYER. Pump 1½ in. diameter; 14 in. diameter tank 24 oz. glass. Pump cone prevents corrosion. Adjustable dual nozzle. Wide mouth. Meets demand for detachable container, and adapted for preparations destroying metal containers. Sprays up and ahead. \$1.30.



No. 452 — MISTY HAND SPRAYER, 1 QT. Pump 1½ in. diam.; 14 in. tank 4 in., diameter. 4 in., 1¼ in. filler opening. Strong, simple, neat. Universal favorite for home use. 50c.

No. 440—HAND SPRAYER, 1 QUART. Pump 1¼ in. diameter; 13 in. tank 4 in.; diameter 4 in. Best for home gardener at low cost. 40c.

No. G-3½—GLASS JAR SPRAY, 4½-OZ. Pump 1¼x8 tank, clear, fluted glass. Large opening, curved syphon tube. Best seller on market. 20c.



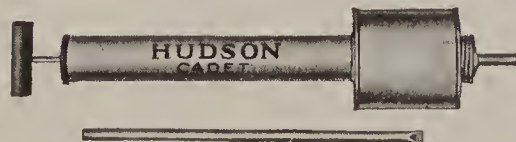
No. 112—MARVEL BUCKET SPRAY PUMP. Double acting continuous pumps, 3 in. hose, curved brass extension rod, disc type all purpose nozzle. High enough for use on 16-quart pail. All parts easily accessible. Cylinder ¾-in.-19¼ in. \$2.75.

No. 123—JR. TROMBONE SPRAYER. Cylinder ¾-in.-19½-in.; Air chamber ½-in.-25¼-in. Double acting high pressure. Brass parts, easily cleaned. 3 in. hose. Handles all solutions and work. \$3.50.

No. 34-S—IDEAL WHEELBARROW SPRAYER, 18-GAL. Tubular intake strainer. Prevents sediment. Uses heavy type solutions. Galvanized tank. 18 in. wheel-2½ in. tire; 6 ft. hose; 4 ft. pipe extension. \$24.80.

No. 651—CORPORAL. Pump 1¼-in. diameter. 5-in. reservoir 1¼-3 in., valve prevents powder work-back. Tapered tip puts powder into crevices. Effective for household use of insect powders, etc. 20c.

No. 660—SIGNAL DUSTER. Pump 1½-in.-7-in.; reservoir 1½-in.-3-in. Handles all powder insecticides. Fan type tip puts powder into small crevices. 35c.



No. 663 — IMPROVED CADET DUSTER Pump 1½-in. - 8½-in. reservoir 3-in. - 4-in. Special air valve prevents powder return. fan type nozzle; break-up screen. Handles all types of dry powder. 60c.

ALL PRICES F.O.B. PORTLAND

A Complete Line •



• Made of the Best

DELUXE CHICK

FEEDER (galvanized). Made of the best grade galvanized iron. The

ends are seamed to the trough and are water tight and can be used for water as well as feed. The large four-fin reel has rustproof case-hardened pins at each end and is painted green. The adjustable brackets that support the reel are held by rustproof bolt and wing nuts. The adjustable legs are made of heavy galvanized iron and hold the trough in any position from 1¼ inches to 3 inches off the floor.

No. 140.	24 inches long	\$.70
No. 142.	36 " "	.95
No. 143.	48 " "	1.20

f. o. b. Portland



NEW 400 LINE ADJUSTABLE LEG FEEDER. Designed to include all of the features and provide for the same sanitary conditions that heretofore have been available only in the higher priced feeders. Ends seamed to the trough, shaped with wide intumed lips to prevent waste of feed. Large four-fin reel is adjustable. Wire legs adjustable to any desired height.

No. 410, 24-in., 55c; No. 420, 36-in., 75c; No. 430, 48-in., 90c
f. o. b. Portland.



NEW ECONOMY FEEDER. These new feeders are of the high Lincoln quality material but with an unusually low price. The trough is stamped from one piece of galvanized iron and is water tight. Z-shaped metal revolving reel.

No. 70, 10-inch, 15c.
No. 71, 16-inch, 20c.

f. o. b. Portland.

GRILL TOP PAN. An inexpensive yet modern sanitary drinking pan for grown birds. The heavy wire cone-shaped grill prevents roosting on the pan and keeps birds from getting into the pan. Pan is 15½ inches in diameter, 5¼ inches deep and has a capacity of four gallons.

No. 114—\$2.00 f. o. b. Portland.

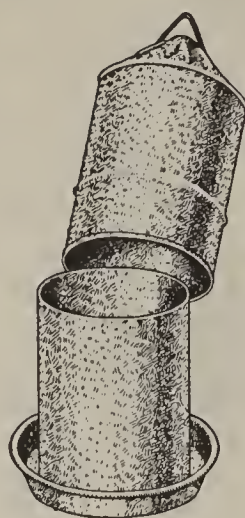
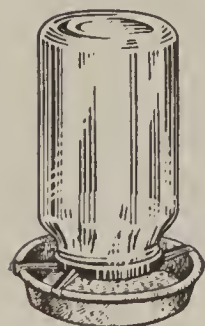


FRUIT JAR FOUNTAIN (Galvanized)
No. 20. The drinking pan is made of copper bearing, rust resisting galvanized steel. Fruit jar is attached by heavy, painted steel clamp which the jar screws into, snaps on pan.

No. 20—10c f. o. b. Portland.

FRUIT JAR FOUNTAIN (Glass) No. 21. The drinking pan is of heavy glass. Jar holder clamp is same as No. 20.

No. 21—15c, f. o. b. Portland.



TWO-PIECE TOP FILLING FOUNTAIN (galvanized). These double wall top filling fountains are especially designed for baby chicks. The pans are narrow so small chicks cannot get into the water. Steep cone-shaped tops and V-shaped wire. Made of copper bearing, rust resisting galvanized steel. 2 gallon size.

No. 22.	1 gallon	\$1.00
No. 23.	2 gallon	1.50
No. 24.	3 gallon	2.00

**NEAR GALLON FOUNTAIN.**

Made of high quality galvanized steel. With the flat top it is easy to fill and keep clean. Deep scalloped drinking pan, prevents crowding and keeps chicks out of water.

No. 65, 1 gal., 45c, f.o.b. Portland.

NEW UTILITY FEEDER. Same type as the New 400 Line with the exception of wire legs. Well built and of quality construction.

No. 40, 18-inch, 30c.

No. 41, 24-inch, 40c.

No. 42, 36-inch, 50c.

f.o.b. Portland.

GALVANIZED FOUNTAINS WITH IRON CLAMPS. This can or saucer is made of high quality rust-resisting galvanized steel. Fruit jar is easily attached by heavy wire clamps.

No. 60, 10c.

FLAT TOP SINGLE WALL SNAP ON FOUNTAIN. This new fountain is inexpensive yet of high quality. It is made of heavy galvanized iron. The flat top is so the handle will lay down flat and allow the tank to set level while filling. The pan is extra deep but narrow to prevent chicks from getting in the water.

No. 66. 1 gallon. 60c.

No. 67. 2 gallons. 90c.

CONE TOP SINGLE WALL SNAP-ON FOUNTS. This inexpensive but very popular fountain in one and two gallon capacity is made of copper bearing, rust-resisting galvanized steel. The cone shaped top and V-shaped wire handle.

No. 220. 1 gallon. 70c.

No. 230. 2 gallons. \$1.10.

GRILLED TOP CHICK FEEDERS. For those who prefer a grilled feeder the trough is the same as the feeder shown above. The heavy wire grill is securely welded together and is pinned to the seed trough. It is easy to fill and easy to clean.

No. 52. 36-inch. 80c each.

No. 53. 48-inch. 95c each.

LARGE CAPACITY WATERER. These two-piece top-filling fountains are made of extra heavy copper bearing rust-resisting galvanized steel. The tank is soldered to the pan, the jacket slides over the tank and seals the vacuum at the water line. The spring brass valve at bottom closes when jacket is removed and opens when jacket is replaced.

No. 213. 3 gallon. \$2.60 each.

No. 215. 5 gallon. \$3.30 each.

ALL PRICES F.O.B. PORTLAND

McCLELLAN'S
POULTRY REMEDIES

BRONKI-OL-INHALANT. A nasal spray. Very cooling, soothing, and beneficial therapeutic agent in affections of mucous membranes of throat and nostrils. 8 oz. 50c; 1 pt. 75c; 1 qt. \$1.25; ½ gal. \$2.00; 1 gal. \$3.25; 5 gal. \$15.00, f. o. b. Portland.

CRESAFOWL LIQUID. A scientific mineral conditioner for poultry, ducks, turkeys, geese. Especially recommended for baby chicks. 8 oz. 50c; 16 oz. 75c; 1 qt. \$1.00; ½ gal. \$1.75; 1 gal. \$3.00; 5 gal. \$12.50; 15 gal. (keg) \$30.00, f. o. b. Portland.

CRESAFOWL POWDER. 1½ lbs. 30c; 5 lbs. 85c; 12 lbs. \$1.80; 30 lbs. (pail) \$4.25, f. o. b. Portland.

DISINFECTANT DIP. An efficient disinfectant, germicide, insecticide and antiseptic. Recommended for spraying poultry houses, kennels, barns, etc. 8 oz. 35c; 1 pt. 45c; 1 qt. 60c; ½ gal. 90c; 1 gal. \$1.60; 5 gal. \$6.50, f. o. b. Portland. Write for prices of larger quantities.

COMPOUND SODIUM FLUORIDE. A high grade lice killer for dusting fowls. 15 oz. 25c; 2½ lbs. 60c; f. o. b. Portland.

SODIUM FLUORIDE (PLANE). Recommended to be used as a lice powder or for dipping. 1 lb. 45c; 5 lbs. \$1.75, f. o. b. Portland.

RED MITE AND LICE KILLER. Kills by contact. 1 qt. 60c; ½ gal. 90c; 1 gal. \$1.75; 5 gal. \$7.00, f. o. b. Portland.

POULTRY PRESCRIPTION 999. Worm powder and poultry conditioner. 4 oz. 50c; 12 oz. \$1.25; 1½ lbs. \$2.25; 3 lbs. \$5.50; 5 lbs. \$6.25.

TOE PICK. Controls and overcomes the vicious habit of toe, wing and vent picking. 4 oz. 25c; 8 oz. 45c; 16 oz. 80c, f. o. b. Portland.

ORTHOSOL. A solution of the powerful germicides Ortho-Meta and Para-Cresols. 8 oz. 50c; 1 pt. 75c; 1 qt. \$1.00; ½ gal. \$1.50; 1 gal. \$2.50, f. o. b. Portland.

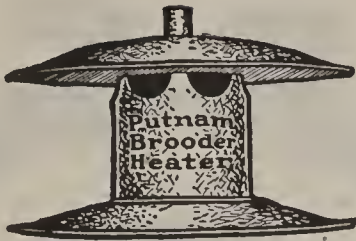
PINESAN. A deodorant and cleaner used in hospitals, jails, kennels, stables, etc. 1 pt. 75c; 1 qt. \$1.00; ½ gal. \$1.75; 1 gal. \$3.00, f. o. b. Portland.

SHEEP DIP. An efficient disinfectant, germicide, insecticide and antiseptic. 8 oz. 30c; 1 pt. 45c; 1 qt. 60c; ½ gal. 90c; 1 gal. \$1.60, f. o. b. Portland.

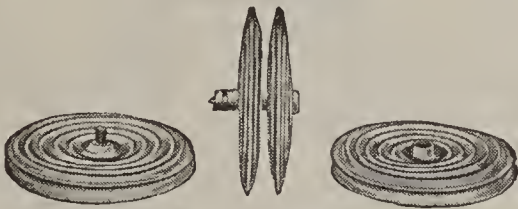
HUDSON BROODER
STOVES

750 Chick Size
With
56 Inch Hover

SPECIAL \$15.00
f. o. b. Portland

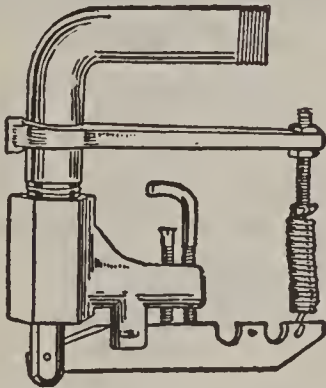


PUTNAM BROODER HEATER. You can make your own brooder out of a box, for accommodating 25 to 60 chicks, by using this heater. Heater requires filling but once a week. Uses less than a gallon of oil a month. Perfect ventilation automatically. Heat radiates from above onto backs of chicks. Can be operated anywhere, in the house or out of doors. Directions for making brooder enclosed. Price \$4.75 not postpaid.



DOUBLE UNIT WAFER THERMOSTATS FOR BROODERS. Made of special tempered brass, vacuum filled, sensitive, accurate durable. Begin to expand about 85° Fahr. Each 35c.

THERMOMETERS.
For Incubator, 75c.
For Brooder, 50c.



"GUARANTEED" AUTOMATIC WATER FOUNTAIN. Especially designed for poultry; can be attached to any water line, tank or barrel. Operates by gravity pressure of drinking pan. Each \$1.60, postpaid.



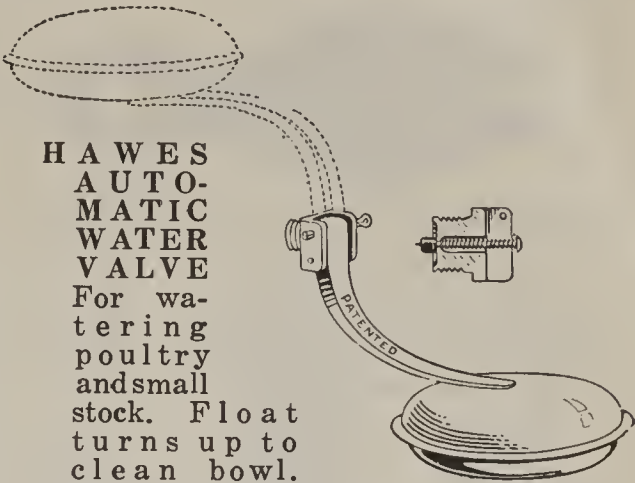
LEG
BANDS

Aluminum Adj. No. 15.....	\$.65
Quik-On—(Stamuler)	
No. 9, Leghorns .....	.50
No. 10, Roks and Red .....	.60
No. 11, Large Rk. and Red.....	.60
No. 14, Turkeys	1.00

LEG BANDS—SPIRAL

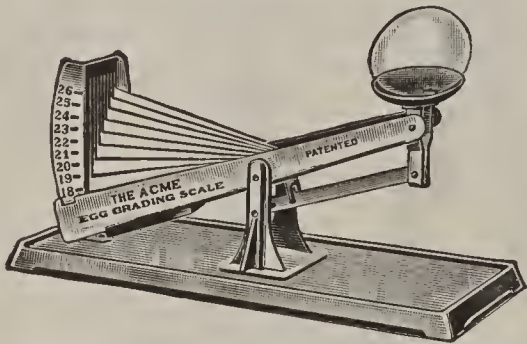
No. 4 Baby Chick	\$.30
No. 6 Pigeon .....	.40
No. 7 Bantam .....	.40
No. 8 Leghorn .....	.50
No. 9 Large Leghorn .....	.50
No. 10 Roks and Reds .....	.55
No. 11 .....	.55
No. 14 Turkey hens, geees .....	.90
No. 16 Turkey Toms	1.00

Prices f.o.b. Portland

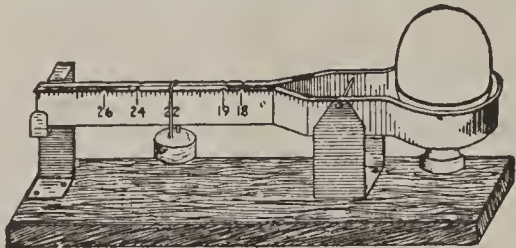


HAWES AUTOMATIC WATER VALVE For watering poultry and small stock. Float turns up to clean bowl. Easy to install on water line or tank. Each \$1.10 postpaid.

EGG SCALES

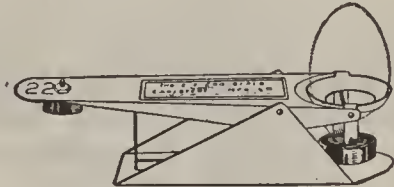


THE ACME EGG GRADING SCALE. Aluminum, rust-proof, indestructible. Will meet the requirements of any state bureau of weights and measures. No. 2—Adapted to the Pacific Coast. Grades: 18 to 26 oz. Price \$2.35 f.o.b. Portland.



CHAMPION EGG GRADING SCALE. Improved type; grades with eggs in any position. Meets all requirements, grading pewee, pullet and standard eggs. Solid brass; will not get out of order; no loose parts to get lost. Price \$1.75, f. o. b. Portland.

GILT EDGE EGG SCALE. Simple in construction, easy to operate, graduating by the ounce per dozen. Price \$1.25, f. o. b. Portland.



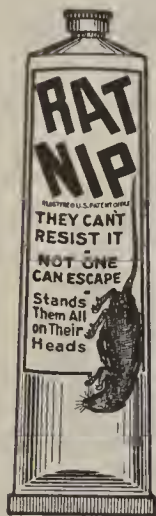
THE E-Z EGG SCALE. For quick and accurate grade. Made of brass and enameled steel. Simple and durable. No springs, no loose weights, no adjustments. Sizes 19, 21, 22, 23 and 24 oz. One scale used for each grade desired. Price, each 85c, f.o.b. Portland.

E-Z TURKEY EGG SCALE. Sizes 2½, 3, 3½ oz. Price, each \$1.25; postage 10c.



PETTEY'S POULTRY PUNCH. Will not clog.
Price 25c postpaid.

SCISSOR POULTRY PUNCH. Strong and durable. Cuts clean.
Price 20c postpaid.



RAT NIP

All rats are ravenously fond of Rat-Nip. They just can't resist it. It tempts the young and draws the wily veterans from their lairs . . . Gets every single one within 24 hours after baiting.

Price 35c postpaid.

DEAD SURE RODENT DESTROYER

The High Pressure Poison Gas Cartridge positively kills gophers, squirrels, prairie dogs, moles, rats, weasels, rabbits, mice, skunks, foxes, snakes, wasps or anything that burrows in the ground.

Burns Under Water—Only poisonous when burning.

Price, dozen 60c, f. o. b. Portland.
"WOOD-LARK" SQUIRREL AND GOPHER POISON. Quick, certain, deadly. Exterminates squirrels, sage rats, field mice, pocket gophers, prairie dogs, crows. Use early when green food is scarce.
Price 1-lb. pkg. 50c, f. o. b. Portland



China Nest Eggs

Best grade opal eggs.
3 for 15c; 12 for 50c postpaid.

LIME NEST EGGS. Indestructible.
Three for 20c; doz. 60c postpaid.



For enclosures of all kinds, including poultry houses, hot beds, cold frames, screened porches, livestock sheds, etc. Brings in the ultra violet rays. Replace all the glass in your chicken houses, laying houses and scratch sheds with "Suntex" and egg production will increase.

Yard, 30 in. 28c; 36 in. 32c; 50-yard bolt, 30 in. \$12.75; 36 in. \$15.00.



LIQUID

Every home, barn, poultry house, etc., should have a bottle of B-K handy. It has 110 uses! A marvelous disinfectant, deodorant, antiseptic, etc., and Not a Poison. Water clear and leaves no stain on floors, walls, etc. Purifies water and kills bad odors. Highly concentrated.

4 oz. 30c; 10 oz. 50c; 32 oz. 90c; 1 gal. \$2.00; 5 gal. \$8.50. Prices f. o. b. Portland.

POWDER

This form of B-K is rapidly becoming popular. Capable of handling the same things as the liquid. Considered by many, much easier to handle in powder form.

Contains 3½% Available Chlorine!
Used a great deal in dairies, schools and institutions.

One 9½-oz. bottle will make one gallon of 3½% sodium hypochlorite solution. Price 75c, f. o. b. Portland.

One 1¼-lb. bottle will make 3 gallons of 3½% sodium hypochlorite. Price \$1.50, f. o. b. Portland.

Wyandotte Sanitary Cleaner and Cleanser

A cleaner especially prepared for creamery, cheese factory and dairy purposes. It contains no grease. It makes no suds. It has no soapy smell. It is pure and purifying. It cuts the butterfats and milk solids quickly and thoroughly, making everything sweet, clean and sanitary.

3 lb. pkg. 35c; 5 lbs. 50c; 80 lb. keg \$6.00 f. o. b. Portland.

KOW KARE

Kow Kare is highly concentrated and, because of the small dosage required for average needs, is very inexpensive to use. It is a special remedy for cow diseases, such as barrenness, scours, milk fever, caked udders, etc. It prevents abortion and removes retained afterbirth. Tones up the system, renews vitality, restores appetite, etc.

It is the dairyman's gold mine and a sure profit-payer!

Small size 65c; large size \$1.25, f. o. b. Portland.

BAG BALM

Made by the Kow Kare people. For caked bag, sore teats, bunches, chapping cuts or inflamed parts. Use this soothing ointment with perfect safety. Penetrating, quick healing. Clean, pleasant to use; cannot taint the milk. Will make decidedly easier milkers of your herd.

10-oz. size 60c, f. o. b. Portland.

Free Cows of Flies



Neither cows nor milkers need now be pestered by flies.

DAIRY FLY-FOIL is GUARANTEED to kill the flies on cows and to keep them off all day. A new, clear, clean spray that does not taint milk nor gum hair. Economical,—a little goes a long way. **DAIRY FLY-FOIL** helps get more milk—makes milking easier.

1 qt. 60c; 1 gal. \$1.50; ½ gal. \$1.00; 5 gal. \$6.75.

DAIRY FLY-FOIL



SNAIL-FOIL. Rid your garden of cutworms, snails, slugs, earwigs and grasshoppers. Snail-Foil is a ready prepared meal, easy and inexpensive to use and does the work quickly and surely.

10-oz. pkg. 15c; 1½-lb. pkg. 35c; 4-lb. pkg. 75c; 15-lb. sack \$2.25.

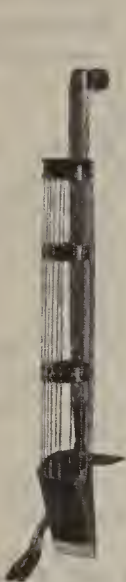


CALF MEAL

AN-FO CALF MEAL is a cooked food that completely replaces milk in calf feeding. The cost is only about one-fourth that of milk. High in digestible fat, the addition of AN-FO to skim milk makes a food very similar to whole milk. Either of the following makes a good ration for a calf: Water 1 gallon and AN-FO CALF MEAL 1 lb., or if available, skim milk 1 gallon and AN-FO CALF MEAL ½ lb.

25 lb. \$1.35, f. o. b. Portland.

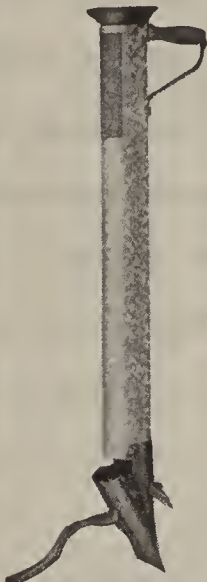
Planters and Seeders



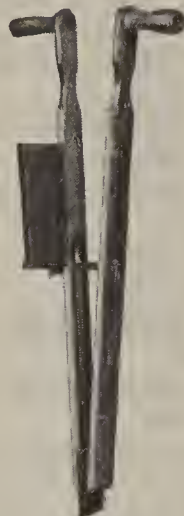
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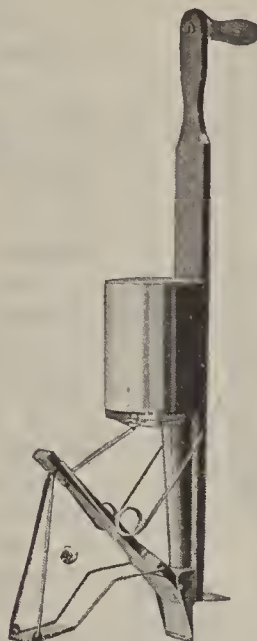
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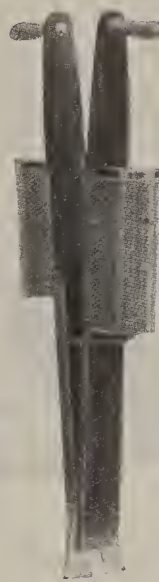
No. 302



No. 306



No. 309



No. 308



No. 311

MASTER'S PLANT SETTER. With a "Master's" you can set, water and fertilize 10,000 plants a day and do better work than if set by hand. Works as fast as you walk. Sets cabbage, kale, celery, tomatoes and vegetable plants of all kinds. Shipping weight 5 lbs.
Price \$6.50, f.o.b. Portland.

No. 301 POTATO PLANTER.
Price \$1.50.

No. 302 TUBULAR POTATO PLANTER. Opens automatically by forward movement.
Price \$2.00, f. o. b. Portland.

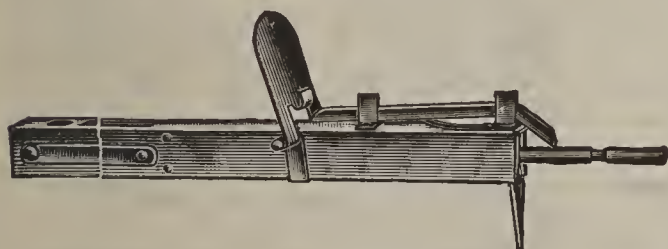
No. 306 CORN PLANTER. Adjustable from popcorn to large kidney beans. Price \$1.50 f.o.b. Portland.

No. 309 AUTOMATIC CORN PLANTER. Price \$3.00 f. o. b. Portland.

No. 305 SELF-LOCKING TUBULAR POTATO PLANTER. Straight wire chute assures smooth surface thus will not bruise eyes of seed. Price \$1.95.

No. 308 CORN AND FERTILIZER PLANTER Adjustable; each separate hoppers; automatic operation. Price \$3.25.

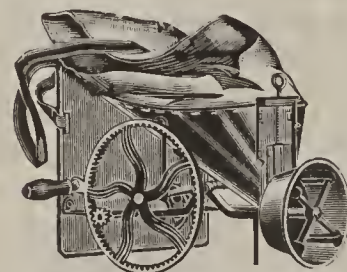
No. 311 SEGMENT CORN PLANTER. Has adjustable depth gauge; seed slide for desired number of kernels. Price \$2.75.



THE NEVER-FAIL GOPHER GUN.
Positive destruction of gophers, moles, squirrels, rats and other burrowing pests. Use .38 blank cartridges.
Each \$1.85 postpaid.

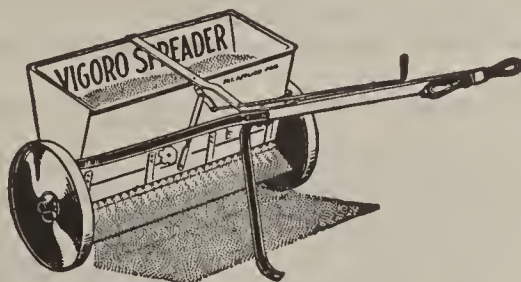


CYCLONE SEEDER. Sows any kind of seed perfectly, any amount desired per acre. Price \$2.75, f. o. b. Portland.



CAHOON SEEDER
CAHOON SEEDER. Made of steel, iron and brass. The most popular and best. Force feed. Does excellent work. Sows all grains and grass seeds. Weight 9 lbs. Instructions included.
Price \$5.50, f. o. b. Portland.

OFFICIAL RAT TRAP. Spring releases with either upward or downward pressure.



Vigoro Spreaders

Vigoro Spreaders are mighty handy garden implements. They apply Vigoro and grass seed evenly and quickly assuring a velvety green lawn.

Made in four sizes—	Prices
Model B	\$ 3.25
Junior Spreader	6.75
Standard Spreader	13.20
Special Spreader	21.50



Official Rat Trap, weight 1 lb., each 15c.

OUT O' SIGHT MOLE TRAP. Sure to "get them."
Postpaid, \$1.40.



HORN SEED SOWER. Nozzle is adjustable. Heavy tin. Price \$1.00, f. o. b. Portland.
GRAFTING WAX—¼ lb. 20c; ½ lb. 35c; 1 lb. 60c.

Pet Foods and Medicines



DIAMOND ROLLER BIRD SEED.

In presenting this scientific mixture to American bird lovers we sincerely believe that a better bird seed cannot be found at any price.

America's only SEASONALIZED diet! Birds, like humans, require a change of diet from the cold winter months to the hot summer days. The famous Diamond Roller formula is varied with the seasons so as to assure a perfect balanced diet throughout the entire year.

Now Vitamins A and D! Through a scientific process, developed in our own laboratory, we are now adding Vitamins A and D to this already splendid mixture. These sunshine vitamins add bone structure and prevent rickets.

If your local dealer cannot supply you. One Pound Package, 20c postpaid.

DIAMOND LOVE BIRD MIXTURE.

A perfectly balanced food prepared especially for parakeets or love birds. Clean, free of dust and impurities. 1-lb. pkg. 30c, postpaid. 5 lbs. for \$1.10, postpaid.

DIAMOND BIRD SAND. Silver washed, white sand, clean and pure. Should be sprinkled daily over the paper on the floor of the cage. 1½-lb. carton 15c, postpaid. In bulk—5 lbs. 30c; 10 lbs. 50c, F. O. B.

DIAMOND BIRD GRAVEL. "Health Grit," a pure white small uniform gravel grit, beneficial to all birds. 1½-lb. carton 15c, postpaid. In bulk—5 lbs. 30c; 10 lbs. 50c, F. O. B.

DIAMOND CUTTLE BONE. 2 large cuttle bones for 10c, postpaid.

DIAMOND QUALITY SEEDS FOR SPECIAL MIXTURES:

Maw.

Lettuce.

Canary. 1 lb. 20c; 10 lbs. \$1.50, postpaid.

Hemp. 1 lb. 20c; 10 lbs. \$1.50, postpaid.

Rape. 1 lb. 20c, 10 lbs. \$1.50, postpaid.

Millet. 1 lb. 20c; 10 lbs. \$1.50, postpaid.

JUSTRITE BIRD LINE

HONEY ROLL. An excellent "sweet treat" for birds. 5c.

HONEY ROLL with bell. A "sweet treat" with bell. 10c.

BIRD TONIC. Gives bird vitality and pep. 1 oz. 25c.

BIRD BITTERS. Heart stimulator. 1 oz. 25c.

IRON TONIC. Blood conditioner. 1 oz. 25c.

IRON TONIC Jr. Blood conditioner. ¾ oz. 10c.

SONG RESTORER. General tonic. 3 oz. 25c.

SONG RESTORER Jr. General tonic. 1 oz. 10c.

VITAMINE HEALTH FOOD. Vitamins A, B, C, D. 3½ oz. 25c.

VITAMINE HEALTH FOOD Jr. Vitamins A, B, C, D. 1½ oz. 10c.

MOULTING FOOD. Feed during moulting. 3 oz. 25c.

MOULTING FOOD Jr. Season. 1 oz. 10c.

BIRD WASH. An excellent antiseptic. 1 oz. 25c.

CAGE CLEANER AND LICE DESTROYER. 4½ fl. oz. 25c.

No. 1 CUTTLE BONE. Large size 10c.

BIRD SALVE. For scaly legs. 15c.

BIRD CHARCOAL. Birds should have it. 10c.

CUP CLEANER. Very handy. 10c.

Spratt's Bird Products

BIRD SEEDS AND FOODS

Mixed Bird Seed. 15 oz. 30c, postpaid.

Roller Canary Mixture. 15 oz. 30c, postpaid.

Canary Mixture (with egg flakes and fruit). 6 oz. 30c, postpaid.

Cage Bird and Nestling Food (with cod liver oil). 4 oz. 20c; 9 oz. 30c.

Moulting Food. 15 oz. 30c, postpaid.

Parakeet and Love Bird Mixtures. 15 oz. 30c, postpaid.

Cuttle Fish Bone (with holder). 10c, postpaid.

Parrot Mixture. 16 oz. 30c, postpaid.

Pollicrackers. 10 oz. 25c, postpaid.

Defiance Mocking Bird Food. 8 oz. 25c, postpaid.

Finch Mixture. 15 oz. 30c, postpaid.

Ants' Eggs (for mocking birds, larks, thrushes, blackbirds, robins, and other soft billed birds. Quail and other game birds. Also excellent diet change for fish and other aquarium animals). 1½ oz. 15c, postpaid.

Special Bird Food Kit (Mixed bird seed, Sing-Song, canary seed mixture (with egg flakes and fruit), bird gravel, cuttle bone, Song Restorer, Porcelain Treat Cup and a 40-page book, "Canaries, Their Varieties and Management." All for 65c, postpaid.

TONICS, SALVES, Etc.

Canaradyne. 1 oz. 30c, postpaid.

Flake Charcoal. 1 oz. 20c, postpaid.

Song Restorer. 1½ oz. 20c; 4 oz. 30c, postpaid.

Bird Lice Powder. In gun, 30c, postpaid.

Bird Wash. 3 fl. oz. 30c, postpaid.

Pariot Tonic. 3 oz. 35c, postpaid.

Bald Head Salve. 20c, postpaid.

Foot Salve. 20c, postpaid.

Mitilene. 30c, postpaid.

Bird Tonic. 1 oz. 15c; 3 oz. 30c, postpaid.

Quinella (Tibbs). (An astringent to the mucous membrane of the intestines of all birds). Per jar 30c, postpaid.

SPRATT'S NESTING HAIR. Per box 15c, postpaid.

Spratt's Dog Medicines

Prices postpaid.

SULPHUR TABLETS. To cool blood. 60c.

NERVE SEDATIVE TABLETS. For fits and convulsions. 60c.

ALTERATIVE TABLETS. Arsenic, Iron and Sulphur Compound. 60c.

COUGH TABLETS. 60c.

ASTRINGENT TABLETS. For excessive secretion. 60c.

"SPECIAL" TABLETS. A diuretic and stimulant. \$1.00.

DIP DISINFECTANT. For dog and kennels. 60c.

EAR CANKER OINTMENT. 75c.

OINTMENT. For superficial varieties of mange and eczema. 60c.

FLEA POWDER. 30c.

DIURETIC TABLETS. Aids in discharge of urine. 60c.

LAXATIVE TABLETS. 60c.

MANGE MEDICINE. 75c.

PURGATIVE TABLETS. Strong laxative. 60c.

TAPE WORM TABLETS. For dogs and foxes. 65c.

TONIC AND CONDITION TABLETS. When preparing for exhibition. 65c.

CAPSULES FOR ASCARIDS and large round worms. 60c.

CAPSULES FOR ASCARIDS and large round worms in puppies. 60c.

TONIC AND CONDITION TABLETS for toy dogs and puppies. 60c.

PULVEX FLEA POWDER. Considered one of the best and most effective flea powders, as it actually kills the fleas. ¾ oz., 25c; 2oz. 50c; 12 oz. \$1.25.

PULVEX WORM CAPSULES. Do not harm the dog and will remove all types of worms (tape, round and hook.) Dozen 75c.

KUR-MAIGE. New powder curing dogs of all skin infections when treated as soon as noticed. 7 oz. \$1.

SIX-USE SOAP. Has six complete uses. Contains oils to sooth skin irritations, stimulates and tones the fur, makes coat shine, destroys fleas and lice, deodorizes and does a thorough cleansing job. Per bar 50c.

POWDER GUN. Small bellow type gun for powder uses. Each 35c.

VEGETABLE SEED PLANTING CHART

KIND OF SEED	Time to Plant Outdoors	Distance for Plants		SEED REQUIRED		Ready to Use
		Bet. Rows	In the Row	Row	Acre	
ASPARAGUS.....	February to April...	5 to 6 ft.	18 to 24 in.	1 oz. to 40 ft.	2 to 3 lbs.	2nd Spring
BEANS, Bush.....	April, May and June.	2 to 3 ft.	3 to 4 in.	1 lb. to 250 ft.	90 to 100 lbs.	40 to 65 days
BEANS, Pole.....	April, May and June.	4 ft.	2½ to 3 ft.	1 lb. to 125 hills	30 to 40 lbs.	70 to 90 days
BEANS, Lima.....	May and June.....	2 to 4 ft.	10 to 36 in.	1 lb. to 80 hills	50 to 60 lbs.	90 to 130 days
BEETS, Table.....	March to July.....	14 to 20 in.	2 to 4 in.	1 oz. to 100 ft.	10 to 15 lbs.	45 to 60 days
BROCCOLI*.....	June to August.....	24 to 30 in.	14 to 18 in.	1 oz. to 1500 plants	6 to 8 oz.	120 to 150 days
BRUSSELSPOUTS*.	April to June.....	30 to 36 in.	18 to 24 in.	1 oz. to 2000 plants	6 to 7 oz.	100 to 120 days
CABBAGE, Early*....	February to April...	30 to 36 in.	16 to 24 in.	1 oz. to 2000 plants	6 to 8 oz.	90 to 110 days
CABBAGE, Late*....	May and June.....	36 to 42 in.	24 to 30 in.	1 oz. to 2000 plants	6 to 7 oz.	110 to 120 days
CARROTS.....	April to July.....	12 to 24 in.	2 to 3 in.	1 oz. to 250 ft.	3 to 4 lbs.	55 to 80 days
CAULIFLOWER*.....	March to June.....	3 to 4 ft.	24 to 30 in.	1 oz. to 1500 plants	6 to 7 oz.	95 to 110 days
CELERY*.....	April to July.....	18 to 36 in.	6 to 10 in.	1 oz. to 8000 plants	4 to 5 oz.	120 to 150 days
CHICORY.....	March to May, Sept.	16 to 20 in.	6 to 8 in.	1 oz. to 200 ft.	3 to 4 lbs.	90 to 120 days
CHIVES.....	April and May.....	12 to 18 in.	4 to 6 in.	1 oz. to 200 ft.	4 to 5 lbs.	125 to 150 days
SWEET CORN.....	April to June.....	36 to 42 in.	9 to 12 in.	1 lb. to 100 hills	12 to 15 lbs.	55 to 90 days
CRESS.....	Feb. to May, Sept...	12 to 18 in.	4 to 6 in.	1 oz. to 250 ft.	3 to 4 lbs.	45 to 60 days
CUCUMBER.....	April to July.....	4 to 6 ft.	10 to 12 in.	1 oz. to 100 hills	2 to 3 lbs.	50 to 75 days
EGG PLANT*.....	April and May.....	24 to 30 in.	18 to 24 in.	1 oz. to 1500 plants	4 to 5 oz.	125 to 140 days
ENDIVE.....	May and June.....	18 to 20 in.	10 to 12 in.	1 oz. to 300 ft.	3 to 4 lbs.	90 to 100 days
HERBS, Annual.....	March and April....	20 to 24 in.	10 to 12 in.	1 oz. to 200 to 600 ft.	3 to 10 lbs.	125 to 150 days
HERBS, Perennial....	April to June.....	20 to 24 in.	10 to 12 in.	1 oz. to 200 to 600 ft.	3 to 10 lbs.	Next Season
KALE.....	Mar. and Apr., Aug..	18 to 24 in.	12 to 18 in.	1 oz. to 2000 plants	6 to 8 oz.	55 to 60 days
KOHL RABI.....	March to May.....	16 to 24 in.	6 to 8 in.	1 oz. to 300 ft.	3 to 4 lbs.	50 to 70 days
LEEK.....	May to June.....	14 to 20 in.	4 to 6 in.	1 oz. to 150 ft.	4 to 5 lbs.	120 to 150 days
LETTUCE, Leaf.....	March to September.	12 to 18 in.	4 to 6 in.	1 oz. to 600 ft.	4 to 5 lbs.	40 to 70 days
LETTUCE, Head.....	February to August..	12 to 16 in.	12 to 14 in.	1 oz. to 3000 plants	1 to 1½ lbs.	70 to 90 days
MUSKMELON.....	April to June.....	6 to 8 ft.	4 to 6 ft.	1 oz. to 40 hills	3 to 5 lbs.	90 to 150 days
WATERMELON.....	May and June.....	8 to 12 ft.	6 to 10 ft.	1 oz. to 25 hills	4 to 6 lbs.	100 to 160 days
MUSTARD.....	March to May, Sept.	12 to 18 in.	2 to 3 in.	1 oz. to 600 ft.	4 to 5 lbs.	60 to 90 days
OKRA*.....	April and May.....	2½ to 3 ft.	18 to 24 in.	1 oz. to 250 plants	5 to 6 lbs.	70 to 90 days
ONION, Seed.....	April and May.....	12 to 18 in.	2 to 4 in.	1 oz. to 200 ft.	4 to 5 lbs.	125 to 150 days
ONION, Sets.....	October to May.....	12 to 18 in.	2 to 3 in.	1 lb. to 50 ft.	2 to 3 sacks	50 to 70 days
PARSLEY.....	March to May, Sept.	18 to 24 in.	12 to 16 in.	1 oz. to 250 ft.	3 to 4 lbs.	65 to 90 days
PARSNIP.....	April to June.....	15 to 20 in.	2 to 4 in.	1 oz. to 300 ft.	4 to 6 lbs.	130 to 145 days
PEAS, Dwarf.....	Nov. & Feb. to June.	18 to 24 in.	1 to 2 in.	1 lb. to 120 ft.	150 to 175 lbs.	45 to 75 days
PEAS, Tall.....	Nov. & Feb. to June.	4 to 6 ft.	1 to 2 in.	1 lb. to 120 ft.	100 to 125 lbs.	60 to 90 days
PEPPER*.....	May and June.....	18 to 24 in.	14 to 16 in.	1 oz. to 1500 plants	3 to 4 oz.	130 to 150 days
POTATOES, Irish....	March to June.....	24 to 36 in.	14 to 18 in.	1 lb. to 15 ft.	7 to 9 sacks	90 to 150 days
PUMPKIN.....	May to July.....	8 to 12 ft.	6 to 8 ft.	1 oz. to 30 hills	4 to 5 lbs.	75 to 90 days
RADISH.....	February to Sept....	12 to 18 in.	1 to 2 in.	1 oz. to 100 ft.	8 to 10 lbs.	20 to 75 days
RHUBARB.....	March to June.....	30 to 36 in.	16 to 24 in.	1 oz. to 250 ft.	6 to 8 oz.	3rd Year
RUTABAGA.....	May and June.....	18 to 24 in.	6 to 8 in.	1 oz. to 400 ft.	2 to 3 lbs.	90 to 120 days
SALSIFY.....	March to May.....	18 to 24 in.	2 to 4 in.	1 oz. to 120 ft.	8 to 10 lbs.	120 to 150 days
SPINACH.....	Feb. to May, Sept...	12 to 18 in.	3 to 6 in.	1 oz. to 100 ft.	10 to 12 lbs.	45 to 60 days
SQUASH, Bush.....	April to June.....	3 to 4 ft.	3 to 4 ft.	1 oz. to 30 hills	4 to 6 lbs.	65 to 70 days
SQUASH, Winter.....	May to July.....	10 to 12 ft.	8 to 10 ft.	1 oz. to 15 hills	3 to 4 lbs.	120 to 140 days
SWISS CHARD.....	March to July.....	12 to 18 in.	4 to 8 in.	1 oz. to 150 ft.	6 to 8 lbs.	45 to 60 days
TOMATO*.....	April to June.....	3 to 4 ft.	2 to 3 ft.	1 oz. to 3000 plants	3 to 4 oz.	125 to 150 days
TURNIP.....	March to August....	12 to 15 in.	3 to 4 in.	1 oz. to 400 ft.	2 to 4 lbs.	45 to 90 days

* Planting dates shown for crops marked “*” are intended to be for setting plants into the garden. Seeds should be sown 40 to 60 days earlier, indoors or under glass.

Seed should be covered from three to five times its diameter. Press soil down firmly. Keep moist continuously.

The above chart gives distances between rows for hand cultivation; where horse or tractor is used the rows should be farther apart.

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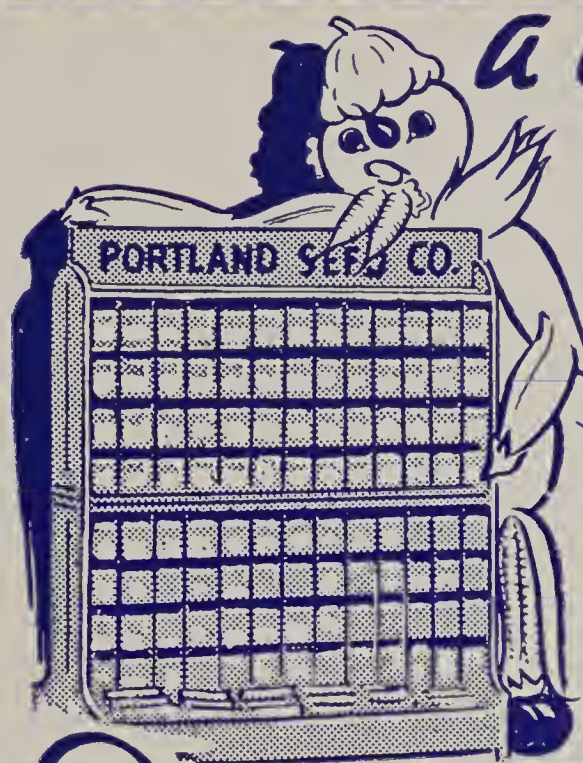
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